

Converting Colors

XYZ(86.7735, 92.8404,
102.9701)

Have a look what the booklet for
XYZ(86.7735, 92.8404, 102.9701)
contains.

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Color

**XYZ(86.9097, 93.1162,
103.0151)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F9F9
RGB	240, 249, 249
RGB Percent	94%, 98%, 98%
CMY	0.0588, 0.0235, 0.0235
CMYK	0.04, 0.00, 0.00, 0.02
HSL	180°, 43%, 96%
HSV	180°, 4%, 98%
XYZ	86.9097, 93.1162, 103.0151
YIQ	246.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

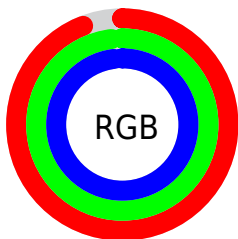
Format	Color
R _Y B	240, 245, 249
Decimal	15792633
CIE Lab	97.27, -2.95, -1.04
CIE LCh	97, 3.128, 199.410
Yxy	93.1162, 0.3071, 0.3290
Android (android.graphics.Color)	4293982713 (0xFF0F9F9)
YUV	246.3090, 1.3267, -5.5330
Hunter-Lab	96.4967, -8.1034, 4.2527

Details

The XYZ color **86.9097, 93.1162, 103.0151** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.9586, 88.7535, 95.0432**, and the grayscale version is **87.8424, 92.4171, 100.6422**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4628, 52.1805, 57.9697** is the 20% darker color. If you saturate the color by 10%, you get **79.0289, 89.0563, 102.6389**, and if you desaturate by 10%, it is **92.2184, 95.8553, 103.2747**.

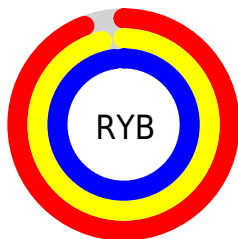
Distribution



Red (94%)

Green (98%)

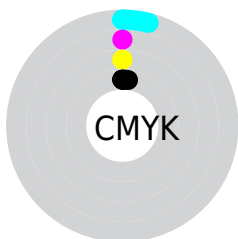
Blue (98%)



Red (94%)

Yellow (96%)

Blue (98%)

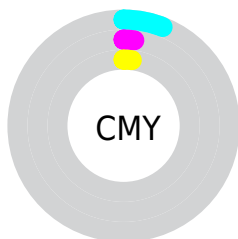


Cyan (4%)

Magenta (0%)

Yellow (0%)

Black (2%)



Cyan (6%)

Magenta (2%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9097, 93.1162, 103.0151 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 86.9097, 93.1162, 103.0151 by changing the saturation by 10% instead.

86.9097, 93.1162,
103.0151

86.9097, 93.1162,
103.0151

506.3151,
538.1165, 591.1457

65.7483, 70.5681,
78.1901

141.9386,
151.6595, 167.3824

48.3350, 51.9898,
57.7128

176.5367,
188.4234, 207.7617

34.3046, 36.9969,
41.1646

216.3445,
230.6948, 254.1629

23.2917, 25.2051,
28.1271

261.7273,
278.8579, 307.0045

14.9309, 16.2299,
18.1816

313.0503,
333.2973, 366.7051

8.8569, 9.6870,
10.9096

370.6791,

4.7043, 5.1919,

394.3972, 433.6831

5.8927

434.9789,
462.5422, 508.3571

■ 2.1078, 2.3603,
2.7122

■ 0.6935, 0.8054,
0.9496

■ 86.9097, 93.1162,
103.0151

■ 86.9097, 93.1162,
103.0151

■ 79.0289, 89.0563,
102.6389

■ 92.2184, 95.8553,
103.2747

■ 72.2584, 85.5662,
102.3128

■ 92.2202, 95.8560,
103.2841

■ 66.5508, 82.6240,
102.0364

■ 92.2220, 95.8568,
103.2935

■ 61.8521, 80.2020,
101.8073

■ 92.2237, 95.8575,
103.3028

■ 58.1037, 78.2698,
101.6226

■ 92.2255, 95.8582,
103.3122

■ 55.2408, 76.7941,
101.4793

■ 92.2273, 95.8589,
103.3215

■ 53.1906, 75.7374,
101.3741

■ 92.2291, 95.8596,
103.3309

■ 51.8688, 75.0562,
101.3030

■ 92.2308, 95.8603,
103.3403

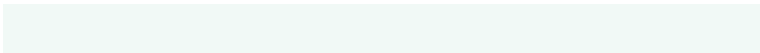
■ 51.1726, 74.6975,
101.2611

■ 92.2326, 95.8610,
103.3496

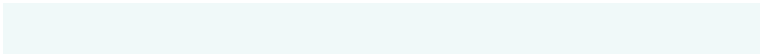
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8428, 93.1162, 100.4952



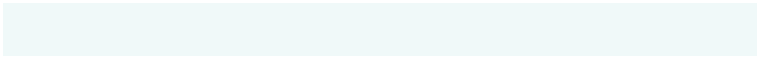
86.9097, 93.1162, 103.0151



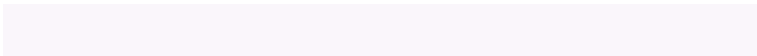
87.4022, 93.1162, 105.1318

Triad

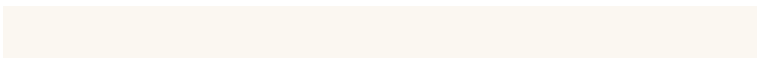
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9097, 93.1162, 103.0151



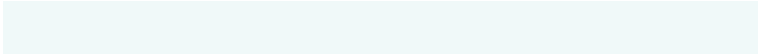
89.8020, 93.1162, 104.5901



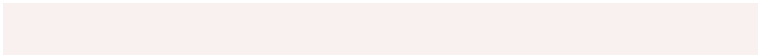
88.8171, 93.1162, 96.6747

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



86.9097, 93.1162, 103.0151



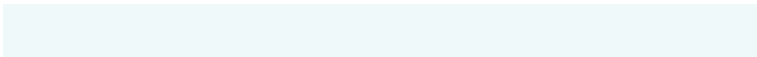
85.9586, 88.7535, 95.0432

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6154, 93.1162, 97.7336



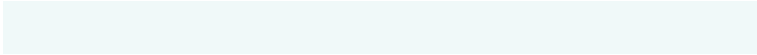
86.9097, 93.1162, 103.0151



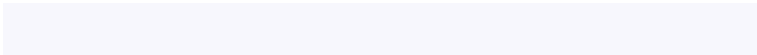
90.1865, 93.1162, 102.2855

Square

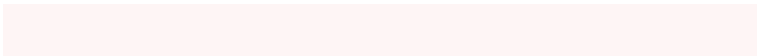
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9097, 93.1162, 103.0151



89.0706, 93.1162, 106.0515



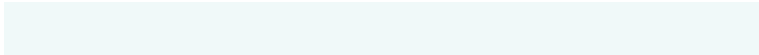
90.1180, 93.1162, 99.7776



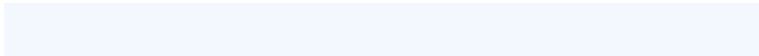
87.9401, 93.1162, 96.8627

Rectangle

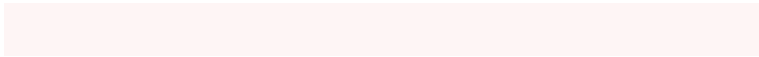
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



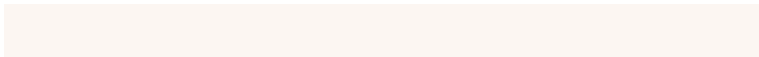
86.9097, 93.1162, 103.0151



87.9074, 93.1162, 106.0162



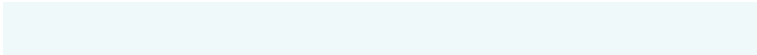
90.1180, 93.1162, 99.7776



89.1036, 93.1162, 96.8959

Sweetspot

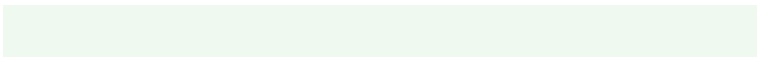
The Sweet Spot groups the original color and five complimentary colors.



86.9124, 93.1202, 103.0171



94.1179, 99.5195, 108.8554



85.5926, 92.5981, 95.8013



20.1549, 21.3063, 23.3000



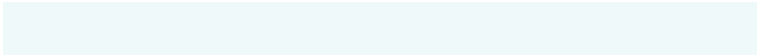
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9124, 93.1202, 103.0171



91.3957, 98.1162, 108.7251



85.5833, 90.4610, 102.5773



18.5926, 20.0348, 22.2715



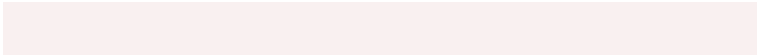
27.2765, 39.9236, 54.1930



2.5264, 3.6977, 5.0198

Inverse Universe

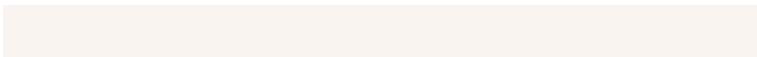
The Inverse Universe completely reimagines the original color for something new.



85.9586, 88.7535, 95.0432



90.2835, 93.0245, 99.4270



87.2546, 91.3466, 95.4722



18.3237, 18.8040, 20.0239



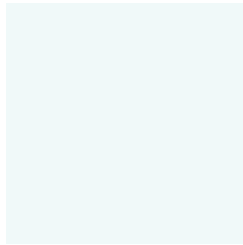
20.9124, 10.7807, 0.9812



1.9370, 0.9985, 0.0914

Previews

White Background



This preview shows how the XYZ color 86.9097, 93.1162, 103.0151 looks on a white background.

Color Contrast Check

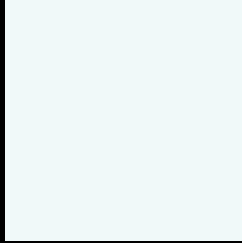
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 86.9097, 93.1162, 103.0151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

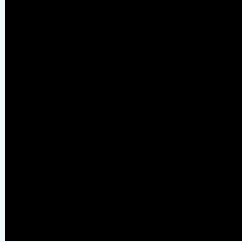
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

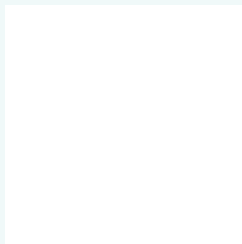
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.9097, 93.1162, 103.0151

Background



This preview shows how black text looks on a background with the XYZ color 86.9097, 93.1162, 103.0151.

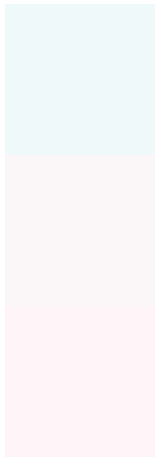


This preview shows how white text looks on a background with the XYZ color 86.9097, 93.1162,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

86.9097, 93.1162, 103.0151

Protanopia

89.5279, 93.1362, 101.2541

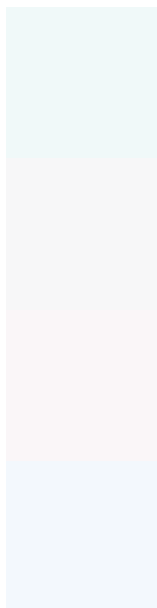
Deuteranopia

90.5340, 92.7387, 101.9356

Tritanopia

88.9670, 93.1540, 107.8992

Trichromacy



Original Color

86.9097, 93.1162, 103.0151

Protanomaly

88.5618, 93.0730, 102.1041

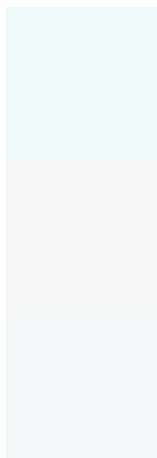
Deuteranomaly

89.3234, 93.0128, 102.0524

Tritanomaly

88.2592, 93.2813, 106.2818

Monochromacy



Original Color

86.9097, 93.1162, 103.0151

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.3575, 92.4700, 101.2400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9097, 93.1162, 103.0151 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(240, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(240, 249, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(240, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 249, 249) }
```

Border

The CSS property to change the border of an element to XYZ 86.9097, 93.1162, 103.0151 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(240, 249, 249) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(240, 249, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(240, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(240, 249,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9097, 93.1162, 103.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 249, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(240,  
249, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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