

Converting Colors

XYZ(85.8156, 92.7274,
103.4963)

Have a look what the booklet for
XYZ(85.8156, 92.7274, 103.4963)
contains.

XYZ(85.7231, 92.4864, 103.7760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.7231, 92.4864,
103.7760)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF9FA
RGB	236, 249, 250
RGB Percent	93%, 98%, 98%
CMY	0.0745, 0.0235, 0.0196
CMYK	0.06, 0.00, 0.00, 0.02
HSL	184°, 58%, 95%
HSV	184°, 6%, 98%
XYZ	85.7231, 92.4864, 103.7760
YIQ	245.2270, -8.0690, -2.4450

Conversions

Conversions Part 2

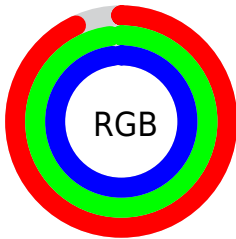
Format	Color
R _Y B	236, 243, 250
Decimal	15530490
CIE Lab	97.02, -4.07, -1.96
CIE LCh	97, 4.514, 205.773
Yxy	92.4864, 0.3040, 0.3280
Android (android.graphics.Color)	4293720570 (0xFFE9CF9FA)
YUV	245.2270, 2.3531, -8.0921
Hunter-Lab	96.1698, -9.1874, 3.3396

Details

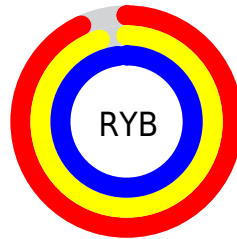
The XYZ color **85.7231, 92.4864, 103.7760** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.8491, 86.9477, 91.6689**, and the grayscale version is **86.9623, 91.4911, 99.6338**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6300, 51.7383, 58.5151** is the 20% darker color. If you saturate the color by 10%, you get **77.4503, 87.4119, 103.2340**, and if you desaturate by 10%, it is **92.9254, 97.0219, 104.2733**.

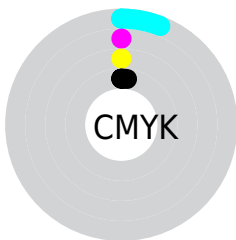
Distribution



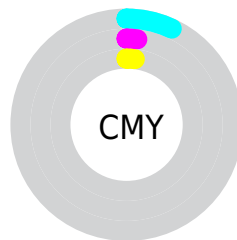
- Red (93%)
- Green (98%)
- Blue (98%)



- Red (93%)
- Yellow (95%)
- Blue (98%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7231, 92.4864, 103.7760 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 85.7231, 92.4864, 103.7760 by changing the saturation by 10% instead.

85.7231, 92.4864,
103.7760

85.7231, 92.4864,
103.7760

502.4654,
536.0863, 593.5820

64.7635, 70.0447,
78.8234

140.2918,
150.7874, 168.4336

47.5333, 51.5630,
58.2301

174.6317,
187.4154, 208.9757

33.6672, 36.6568,
41.5778

214.1624,
229.5410, 255.5514

22.7997, 24.9419,
28.4477

259.2492,
277.5485, 308.5791

14.5656, 16.0338,
18.4215

310.2576,
331.8225, 368.4775

8.5994, 9.5481,
11.0804

367.5529,

4.5358, 5.1004,

392.7471, 435.6651

6.0061

431.5004,
460.7069, 510.5604

■ 2.0095, 2.3063,
2.7799

■ 0.6393, 0.7770,
0.9834

■ 85.7231, 92.4864,
103.7760

■ 85.7231, 92.4864,
103.7760

■ 77.4503, 87.4119,
103.2340

■ 92.9254, 97.0219,
104.2733

■ 70.2940, 82.9181,
102.7438

■ 93.4830, 98.1371,
104.4591

■ 64.2053, 78.9824,
102.3050

■ 94.0458, 99.2627,
104.6467

■ 59.1290, 75.5763,
101.9151

■ 94.2556, 99.6822,
104.7166

■ 55.0046, 72.6685,
101.5712

■ 51.7654, 70.2247,
101.2702

■ 49.3358, 68.2058,
101.0086

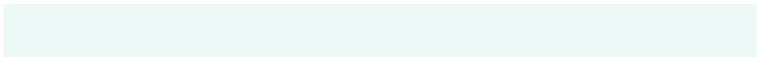
■ 47.6277, 66.5665,
100.7822

■ 46.5321, 65.2505,
100.5859

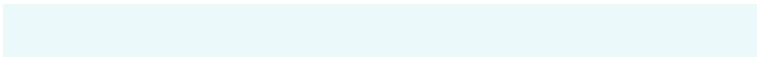
Harmonies

Analogous

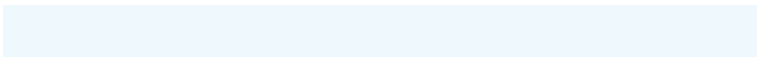
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4908, 92.4864, 100.1870



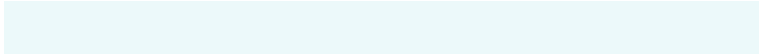
85.7231, 92.4864, 103.7760



86.5381, 92.4864, 106.6005

Triad

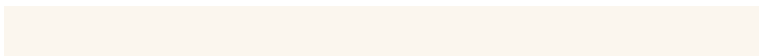
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7231, 92.4864, 103.7760



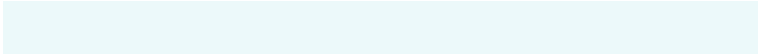
89.9417, 92.4864, 104.6903



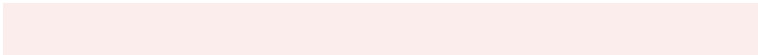
88.0858, 92.4864, 93.8820

Complementary

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



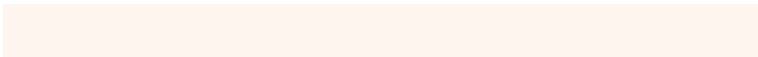
85.7231, 92.4864, 103.7760



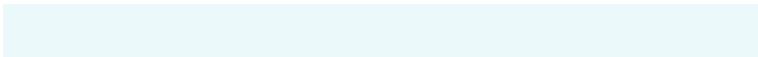
84.8491, 86.9477, 91.6689

Split Complementary

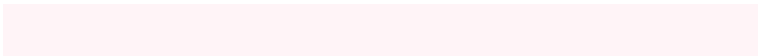
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2873, 92.4864, 95.0251



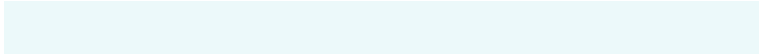
85.7231, 92.4864, 103.7760



90.3654, 92.4864, 101.2187

Square

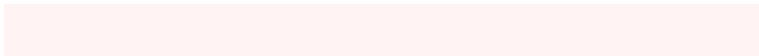
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7231, 92.4864, 103.7760



88.9725, 92.4864, 107.1372



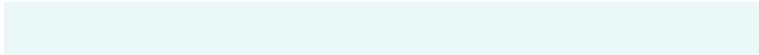
90.1247, 92.4864, 97.6892



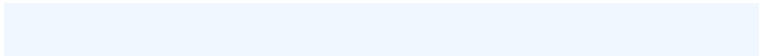
86.8472, 92.4864, 94.5297

Rectangle

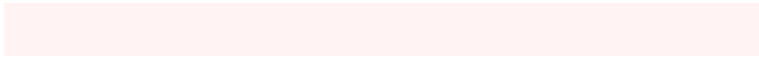
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



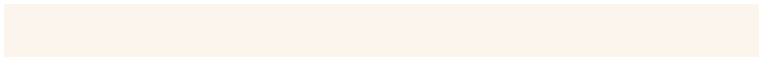
85.7231, 92.4864, 103.7760



87.3063, 92.4864, 107.6399



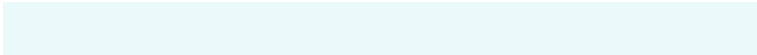
90.1247, 92.4864, 97.6892



88.5075, 92.4864, 94.0688

Sweetspot

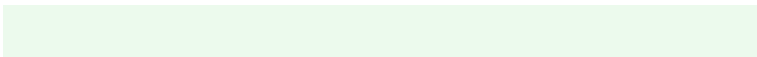
The Sweet Spot groups the original color and five complimentary colors.



85.7257, 92.4903, 103.7780



93.0829, 98.8142, 108.7748



84.0554, 92.3161, 93.4598



19.9442, 21.1628, 23.2836



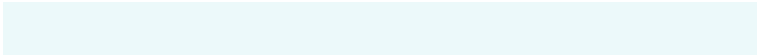
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

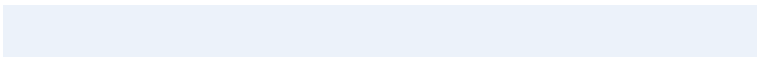
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7257, 92.4903, 103.7780



88.3814, 95.9628, 108.4722



83.6208, 88.2805, 103.0764



18.0003, 19.5964, 22.2191



24.5364, 34.4284, 53.3257



2.3032, 3.2501, 4.9491

Inverse Universe

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



86.5207, 87.1562, 101.8899



89.4138, 89.0537, 106.0160



86.8967, 91.0429, 92.3514



18.2289, 18.0685, 21.6749



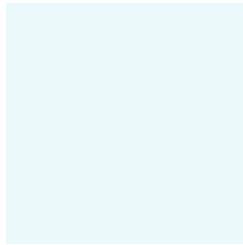
28.6769, 13.8865, 41.8684



2.6715, 1.2923, 3.9594

Previews

White Background



This preview shows how the XYZ color 85.7231, 92.4864, 103.7760 looks on a white background.

Color Contrast Check

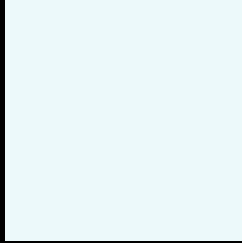
Large Text (above 18pt) WCAG AA × Fail

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 85.7231, 92.4864, 103.7760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

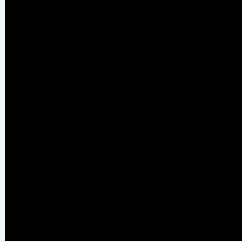
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

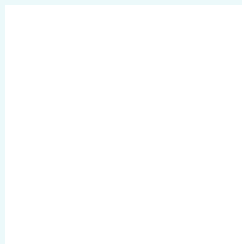
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.7231, 92.4864, 103.7760

Background



This preview shows how black text looks on a background with the XYZ color 85.7231, 92.4864, 103.7760.

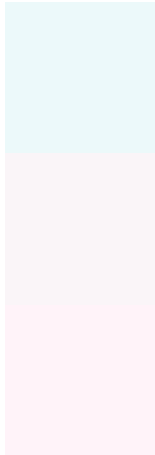


This preview shows how white text looks on a background with the XYZ color 85.7231, 92.4864,

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

85.7231, 92.4864, 103.7760

Protanopia

89.0200, 92.4061, 101.9512

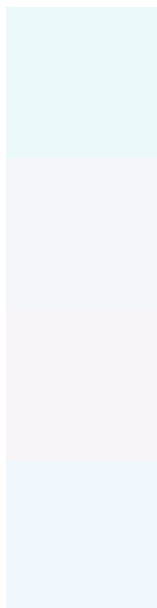
Deuteranopia

90.3895, 92.2007, 102.6550

Tritanopia

87.9679, 92.1862, 107.7651

Trichromacy



Original Color

85.7231, 92.4864, 103.7760

Protanomaly

87.7108, 92.1636, 102.7890

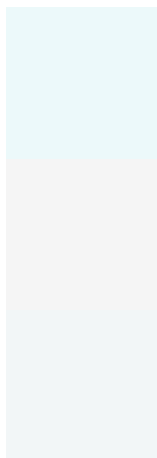
Deuteranomaly

88.4627, 92.1008, 102.7373

Tritanomaly

86.9256, 92.1386, 106.1316

Monochromacy



Original Color

85.7231, 92.4864, 103.7760

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.3622, 91.5042, 101.1060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7231, 92.4864, 103.7760 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(236, 249, 250)` looks like.

```
.text, #text, p{  
    color:rgb(236, 249, 250)  
}
```

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(236, 249, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 249, 250) }
```

Border

The CSS property to change the border of an element to XYZ 85.7231, 92.4864, 103.7760 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(236, 249, 250) }
```


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

```
.border{ border-color:rgb(236, 249, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 249, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 249, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 249, 250);  
box-shadow:4px 4px 4px 4px rgb(236, 249,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7231, 92.4864, 103.7760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 249, 250) }
```

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

```
.background{ background-color: rgb(236,  
249, 250) }
```

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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