

Converting Colors

XYZ(87.9984, 93.2595,
108.4836)

Have a look what the booklet for
XYZ(87.9984, 93.2595, 108.4836)
contains.

XYZ(87.8930, 93.0556, 107.9368)	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(87.8930, 93.0556,
107.9368)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F8FF
RGB	241, 248, 255
RGB Percent	95%, 97%, 100%
CMY	0.0549, 0.0274, 0.0000
CMYK	0.05, 0.03, 0.00, 0.00
HSL	210°, 100%, 97%
HSV	210°, 5%, 100%
XYZ	87.8930, 93.0556, 107.9368
YIQ	246.7050, -6.4190, 0.6930

Conversions

Conversions Part 2

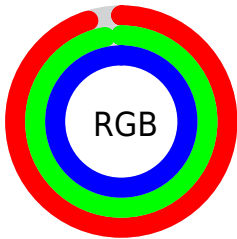
Format	Color
R _Y B	241, 246, 255
Decimal	15857919
CIE _{Lab}	97.25, -1.02, -4.16
CIE _{LCh}	97, 4.283, 256.217
Y _{xy}	93.0556, 0.3042, 0.3221
Android (android.graphics.Color)	4294047999 (0xFFFF1F8FF)
Y _{UV}	246.7050, 4.0894, -5.0033
Hunter-Lab	96.4653, -6.1766, 1.1851

Details

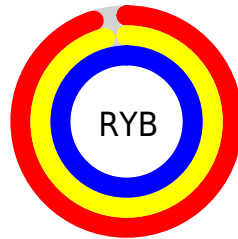
The XYZ color **87.8930, 93.0556, 107.9368** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.6836, 94.7433, 96.7282**, and the grayscale version is **88.1422, 92.7325, 100.9857**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0503, 52.0908, 60.8954** is the 20% darker color. If you saturate the color by 10%, you get **76.0061, 81.3115, 106.2965**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

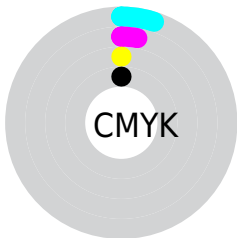
Distribution



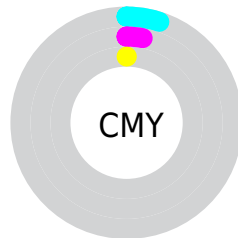
- Red (95%)
- Green (97%)
- Blue (100%)



- Red (95%)
- Yellow (96%)
- Blue (100%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8930, 93.0556, 107.9368 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 87.8930, 93.0556, 107.9368 by changing the saturation by 10% instead.

 87.8930, 93.0556,
107.9368

 87.8930, 93.0556,
107.9368


509.4934,
537.9213, 606.8127

 66.5650, 70.5177,
82.2915


143.3015,
151.5756, 174.1688

 49.0006, 51.9487,
61.0686


178.1126,
188.3265, 215.5926

 34.8345, 36.9642,
43.8496


218.1488,
230.5838, 263.1130

 23.7013, 25.1798,
30.2160

263.7755,
278.7320, 317.1485

 15.2357, 16.2110,
19.7491

315.3579,
333.1555, 378.1177

 9.0724, 9.6736,
12.0306

373.2614,

 4.8459, 5.1831,

394.2386, 446.4391

6.6417

437.8515,
462.3657, 522.5313

■ 2.1910, 2.3551,
3.1640

■ 0.7380, 0.8026,
1.1790

■ 87.8930, 93.0556,
107.9368

■ 87.8930, 93.0556,
107.9368

■ 76.0061, 81.3115,
106.2965

95.0500, 100.0000,
108.9000

■ 65.5462, 70.6885,
104.7973

■ 56.4566, 61.1519,
103.4357

■ 48.6734, 52.6605,
102.2069

■ 42.1278, 45.1700,
101.1061

■ 36.7435, 38.6324,
100.1279

■ 32.4351, 32.9942,
99.2668

■ 29.1038, 28.1949,
98.5160

■ 26.6284, 24.1619,
97.8680

Harmonies

Analogous

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



86.8453, 93.0556, 106.2125



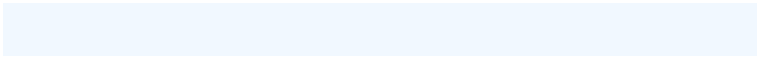
87.8930, 93.0556, 107.9368



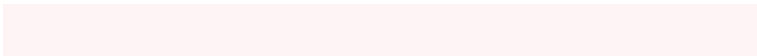
89.0984, 93.0556, 107.8604

Triad

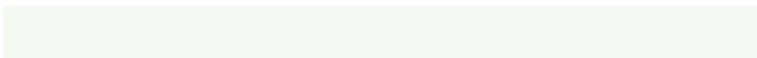
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8930, 93.0556, 107.9368



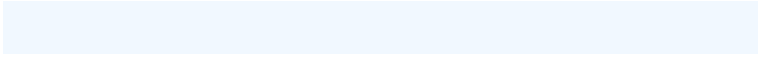
90.7011, 93.0556, 99.4709



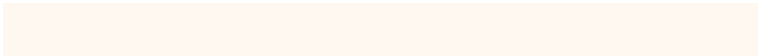
86.7762, 93.0556, 96.7775

Complementary

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



87.8930, 93.0556, 107.9368



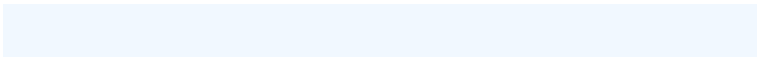
90.6836, 94.7433, 96.7282

Split Complementary

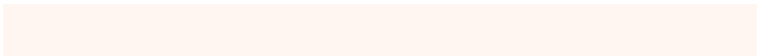
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7979, 93.0556, 95.0528



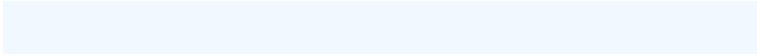
87.8930, 93.0556, 107.9368



90.0674, 93.0556, 96.5834

Square

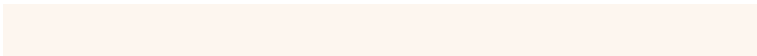
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



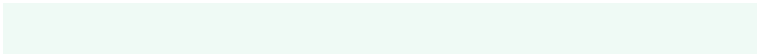
87.8930, 93.0556, 107.9368



90.7272, 93.0556, 102.9187



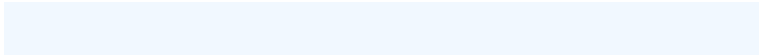
89.0024, 93.0556, 94.9826



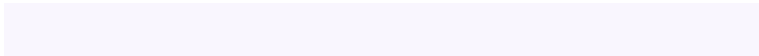
86.2045, 93.0556, 99.7414

Rectangle

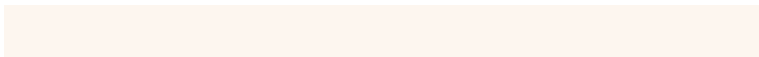
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8930, 93.0556, 107.9368



89.8294, 93.0556, 106.7973



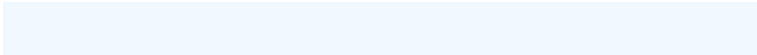
89.0024, 93.0556, 94.9826



87.0780, 93.0556, 96.0366

Sweetspot

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



87.8954, 93.0594, 107.9374



92.3910, 97.4304, 108.5442



88.9435, 96.9840, 102.6500



19.8034, 20.8811, 23.2367



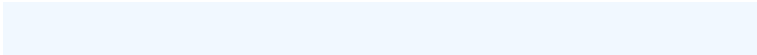
0.0000, 0.0000, 0.0000



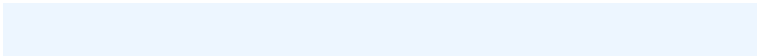
20.3446, 21.4041, 23.3091

Same Dimension

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



87.8954, 93.0594, 107.9374



86.0056, 91.2113, 107.6803



85.8512, 88.9709, 107.2560



18.2491, 19.3665, 23.0262



13.5863, 12.0822, 51.0506



1.4321, 1.3948, 5.0070

Inverse Universe

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



89.6400, 90.9493, 101.6421



88.2147, 88.5741, 99.7013



92.8031, 98.9822, 97.4347



18.7613, 18.7583, 21.1756



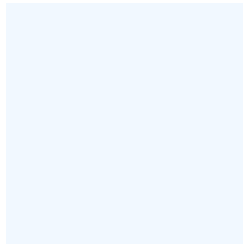
23.6460, 11.9477, 12.0520



2.3574, 1.1854, 1.4637

Previews

White Background



This preview shows how the XYZ color 87.8930, 93.0556, 107.9368 looks on a white background.

Color Contrast Check

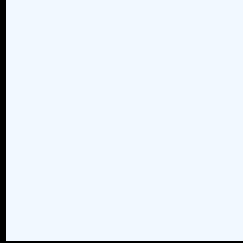
Large Text (above 18pt) WCAG AA × Fail

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 87.8930, 93.0556, 107.9368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

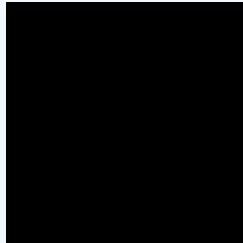
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

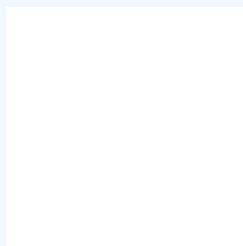
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.8930, 93.0556, 107.9368

Background



This preview shows how black text looks on a background with the XYZ color 87.8930, 93.0556, 107.9368.



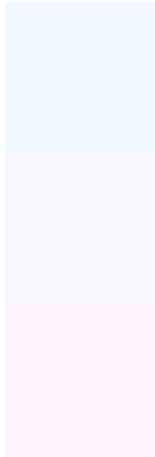
This preview shows how white text looks on a background with the XYZ color 87.8930, 93.0556,

107.9368.

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

87.8930, 93.0556, 107.9368

Protanopia

89.9121, 93.2070, 107.0178

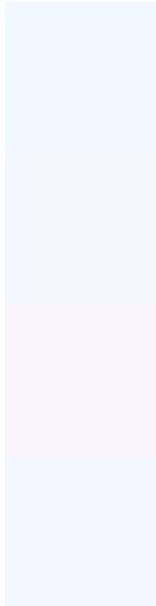
Deuteranopia

91.0033, 92.9264, 104.4070

Tritanopia

88.9670, 93.1540, 107.8992

Trichromacy



Original Color

87.8930, 93.0556, 107.9368

Protanomaly

89.1562, 93.2701, 107.0698

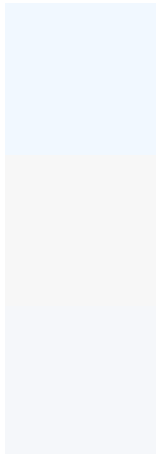
Deuteranomaly

89.6474, 92.6571, 105.2551

Tritanomaly

88.6190, 92.9746, 107.8829

Monochromacy



Original Color

87.8930, 93.0556, 107.9368

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.1723, 92.8361, 103.7145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.8930, 93.0556, 107.9368 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(241, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 248, 255)  
}
```

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(241, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.8930, 93.0556, 107.9368 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(241, 248, 255) }
```


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

```
.border{ border-color:rgb(241, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.8930, 93.0556, 107.9368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 248, 255) }
```

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

```
.background{ background-color: rgb(241,  
248, 255) }
```

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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