

Converting Colors

XYZ(95.9947, 96.5033,
148.3855)

Have a look what the booklet for
XYZ(95.9947, 96.5033, 148.3855)
contains.

XYZ(88.2354, 93.2320, 107.9528)	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(88.2354, 93.2320,
107.9528)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F8FF
RGB	242, 248, 255
RGB Percent	95%, 97%, 100%
CMY	0.0510, 0.0274, 0.0000
CMYK	0.05, 0.03, 0.00, 0.00
HSL	212°, 100%, 97%
HSV	212°, 5%, 100%
XYZ	88.2354, 93.2320, 107.9528
YIQ	247.0040, -5.8230, 0.9050

Conversions

Conversions Part 2

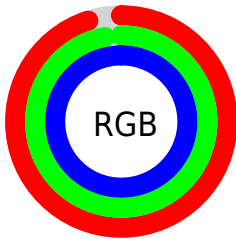
Format	Color
R_{YB}	242, 246, 255
Decimal	15923455
CIE _{Lab}	97.32, -0.70, -4.05
CIE _{LCh}	97, 4.106, 260.227
Yxy	93.2320, 0.3049, 0.3221
Android (android.graphics.Color)	4294113535 (0xFF2F8FF)
YUV	247.0040, 3.9420, -4.3885
Hunter-Lab	96.5567, -5.8575, 1.3020

Details

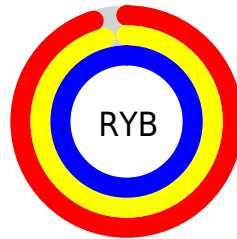
The XYZ color 88.2354, 93.2320, 107.9528 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.1420, 95.4202, 97.6204, and the grayscale version is 88.3859, 92.9888, 101.2648.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.2924, 52.2156, 60.9067 is the 20% darker color. If you saturate the color by 10%, you get 76.0211, 80.9027, 106.2168, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

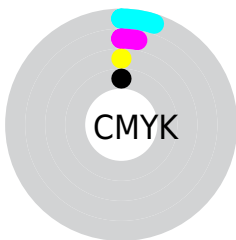
Distribution



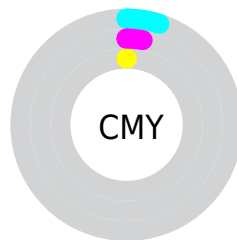
- Red (95%)
- Green (97%)
- Blue (100%)



- 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 88.2354, 93.2320, 107.9528 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 88.2354, 93.2320, 107.9528 by changing the saturation by 10% instead.


 88.2354, 93.2320,
107.9528

 88.2354, 93.2320,
107.9528


510.5977,
538.4893, 606.8633

 66.8495, 70.6643,
82.3049


143.7757,
151.8198, 174.1908

 49.2326, 52.0683,
61.0796


178.6608,
188.6087, 215.6180

 35.0193, 37.0595,
43.8584


218.7763,
230.9068, 263.1420

 23.8443, 25.2536,
30.2228

264.4876,
279.0985, 317.1814

 15.3423, 16.2661,
19.7543

316.1600,
333.5682, 378.1546

 9.1478, 9.7126,
12.0343

374.1589,

 4.8956, 5.2088,

394.7003, 446.4803

6.6442

438.8497,
462.8792, 522.5770

■ 2.2203, 2.3703,
3.1655

■ 0.7534, 0.8106,
1.1798

■ 88.2354, 93.2320,
107.9528

■ 88.2354, 93.2320,
107.9528

■ 76.0211, 80.9027,
106.2168

95.0500, 100.0000,
108.9000

■ 65.2771, 69.7781,
104.6358

■ 55.9456, 59.8209,
103.2057

■ 47.9614, 50.9872,
101.9214

■ 41.2542, 43.2298,
100.7776

■ 35.7468, 36.4974,
99.7684

■ 31.3523, 30.7337,
98.8875

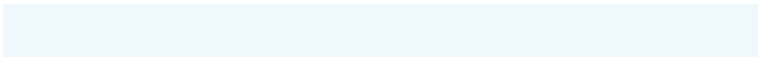
■ 27.9706, 25.8746,
98.1278

■ 25.4799, 21.8442,
97.4812

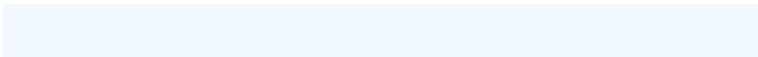
Harmonies

Analogous

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



87.1922, 93.2320, 106.5129



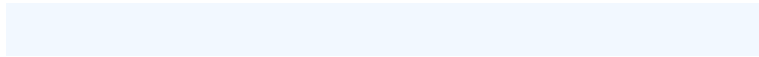
88.2354, 93.2320, 107.9528



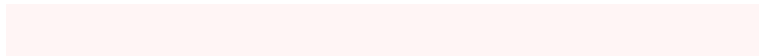
89.3891, 93.2320, 107.6387

Triad

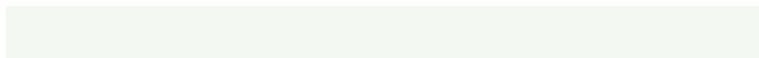
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2354, 93.2320, 107.9528



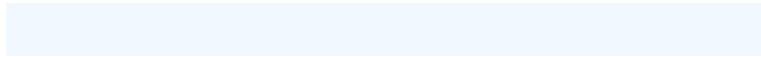
90.7278, 93.2320, 99.3170



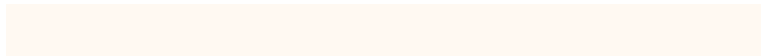
86.9077, 93.2320, 97.4740

Complementary

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



88.2354, 93.2320, 107.9528



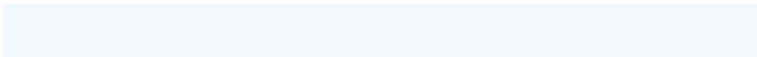
91.1420, 95.4202, 97.6204

Split Complementary

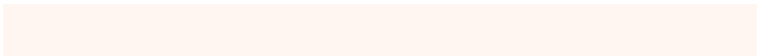
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8438, 93.2320, 95.6258



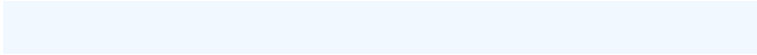
88.2354, 93.2320, 107.9528



90.0516, 93.2320, 96.6736

Square

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



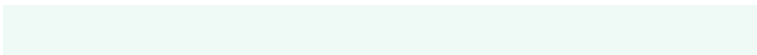
88.2354, 93.2320, 107.9528



90.8349, 93.2320, 102.6041



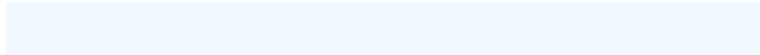
88.9941, 93.2320, 95.3361



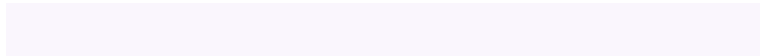
86.4300, 93.2320, 100.4312

Rectangle

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



88.2354, 93.2320, 107.9528



90.0653, 93.2320, 106.4793



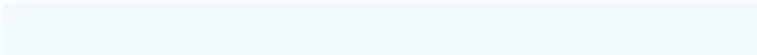
88.9941, 93.2320, 95.3361



87.1788, 93.2320, 96.7052

Sweetspot

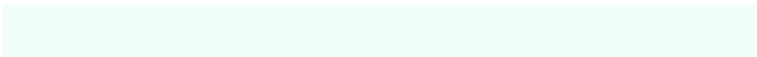
The Sweet Spot groups the original color and five complimentary colors.



88.2378, 93.2359, 107.9534



92.3292, 97.3070, 108.5236



89.4673, 97.2331, 103.6213



19.7908, 20.8560, 23.2325



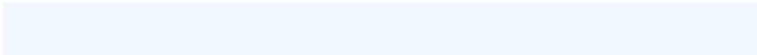
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



88.2378, 93.2359, 107.9534



87.0729, 92.0717, 107.7901



86.5704, 89.6800, 107.3550



18.4584, 19.5282, 23.0464



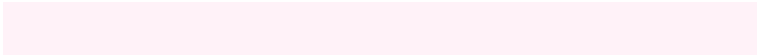
12.9487, 10.8069, 50.8381



1.3687, 1.2680, 4.9859

Inverse Universe

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



89.9369, 91.5432, 101.7409



89.0644, 90.1047, 100.5048



92.8681, 99.1089, 98.2414



18.9296, 19.0657, 21.3220



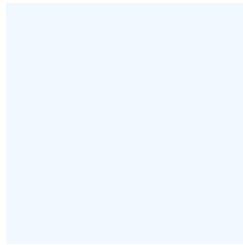
23.3241, 11.8189, 10.3571



2.3254, 1.1725, 1.2952

Previews

White Background



This preview shows how the XYZ color 88.2354, 93.2320, 107.9528 looks on a white background.

Color Contrast Check

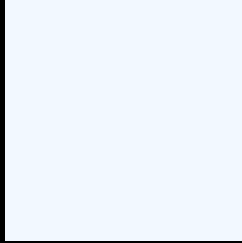
Large Text (above 18pt) WCAG AA × Fail

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 88.2354, 93.2320, 107.9528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

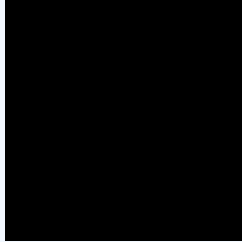
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

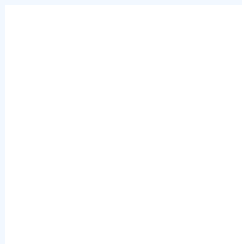
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 88.2354, 93.2320, 107.9528

Background



This preview shows how black text looks on a background with the XYZ color 88.2354, 93.2320, 107.9528.



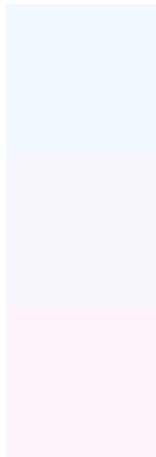
This preview shows how white text looks on a background with the XYZ color 88.2354, 93.2320,

107.9528.

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

88.2354, 93.2320, 107.9528

Protanopia

90.2695, 93.3913, 107.0345

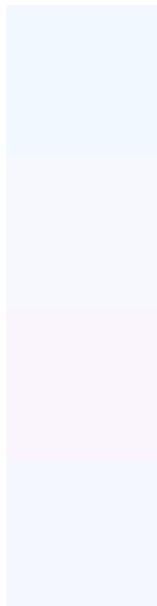
Deuteranopia

91.0033, 92.9264, 104.4070

Tritanopia

89.3168, 93.3344, 107.9156

Trichromacy



Original Color

88.2354, 93.2320, 107.9528

Protanomaly

89.5079, 93.4514, 107.0863

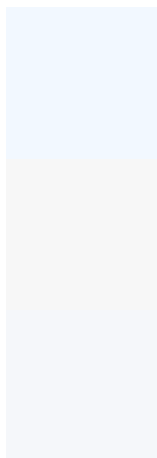
Deuteranomaly

89.6474, 92.6571, 105.2551

Tritanomaly

88.9670, 93.1540, 107.8992

Monochromacy



Original Color

88.2354, 93.2320, 107.9528

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 88.2354, 93.2320, 107.9528 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(242, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 88.2354, 93.2320, 107.9528 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(242, 248, 255) }
```


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

```
.border{ border-color:rgb(242, 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(242, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 88.2354, 93.2320, 107.9528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 248, 255) }
```

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

```
.background{ background-color: rgb(242,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor