

Converting Colors

XYZ(84.5013, 89.0262, 96.0317)

Have a look what the booklet for
XYZ(84.5013, 89.0262, 96.0317)
contains.

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Color

**XYZ(84.2473, 88.7324,
95.9058)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F2F1
RGB	242, 242, 241
RGB Percent	95%, 95%, 95%
CMY	0.0510, 0.0510, 0.0549
CMYK	0.00, 0.00, 0.00, 0.05
HSL	60°, 4%, 95%
HSV	60°, 0%, 95%
XYZ	84.2473, 88.7324, 95.9058
YIQ	241.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	241, 242, 241
Decimal	15921905
CIE _{Lab}	95.47, -0.17, 0.47
CIE _{LCh}	95, 0.501, 109.985
Yxy	88.7324, 0.3133, 0.3300
Android (android.graphics.Color)	4294111985 (0xFFFF2F2F1)
YUV	241.8860, -0.4368, 0.1000
Hunter-Lab	94.1979, -5.2021, 5.5735

Details

The XYZ color **84.2473, 88.7324, 95.9058** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.7612, 88.0245, 96.5847**, and the grayscale version is **84.3133, 88.7042, 96.5989**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5656, 49.0597, 52.9141** is the 20% darker color. If you saturate the color by 10%, you get **80.8372, 87.3673, 78.1130**, and if you desaturate by 10%, it is **86.4561, 89.6226, 107.3499**.

Distribution



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



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2473, 88.7324, 95.9058 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 84.2473, 88.7324, 95.9058 by changing the saturation by 10% instead.

84.2473, 88.7324,
95.9058

84.2473, 88.7324,
95.9058

497.6554,
523.8987, 568.1190

63.5400, 66.9298,
72.2881

138.2405,
145.5764, 157.5217

46.5385, 49.0276,
52.9057

172.2572,
181.3865, 196.3570

32.8774, 34.6414,
37.3403

211.4410,
222.6347, 241.1019

22.1913, 23.3867,
25.1732

256.1574,
269.7052, 292.1749

14.1149, 14.8793,
15.9860

306.7717,
322.9824, 349.9945

8.2829, 8.7347,
9.3600

363.6492,

4.3298, 4.5686,

382.8508, 414.9794

4.8767

427.1553,
449.6948, 487.5481

■ 1.8904, 1.9964,
2.1176

■ 0.5712, 0.6054,
0.6262

■ 84.2473, 88.7324,
95.9058

■ 84.2473, 88.7324,
95.9058

■ 80.8372, 87.3673,
78.1130

■ 86.4561, 89.6226,
107.3499

■ 77.8861, 86.1829,
62.7487


■ 86.4899, 89.6400,
107.3515


■ 75.3765, 85.1752,
49.7091


■ 86.5237, 89.6575,
107.3531


■ 73.2869, 84.3355,
38.8812


■ 86.5575, 89.6749,
107.3547


 71.5940, 83.6544,
30.1424


 86.5913, 89.6923,
107.3562

 70.2723, 83.1219,
23.3581


 86.6251, 89.7098,
107.3578


 69.2933, 82.7264,
18.3779

 86.6590, 89.7272,
107.3594

 68.6242, 82.4549,
15.0300

 86.6929, 89.7447,
107.3610

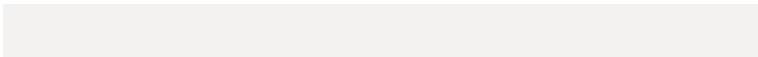
 68.2261, 82.2917,
13.1090

 86.7268, 89.7622,
107.3626

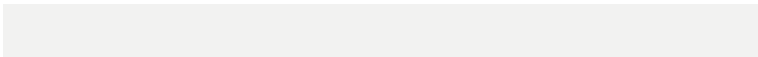
Harmonies

Analogous

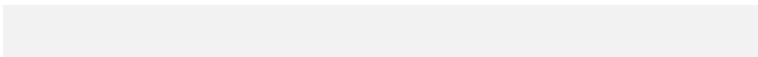
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3834, 88.7324, 95.8720



84.2473, 88.7324, 95.9058



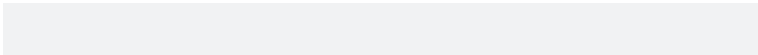
84.1355, 88.7324, 96.1292

Triad

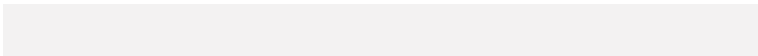
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2473, 88.7324, 95.9058



84.1679, 88.7324, 97.1946



84.5977, 88.7324, 96.7460

Complementary

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



84.2473, 88.7324, 95.9058



83.7612, 88.0245, 96.5847

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.



84.5398, 88.7324, 97.1014



84.2473, 88.7324, 95.9058



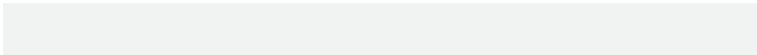
84.2916, 88.7324, 97.3609

Square

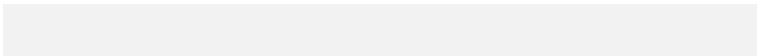
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



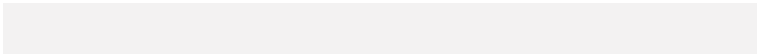
84.2473, 88.7324, 95.9058



84.0897, 88.7324, 96.8731



84.4277, 88.7324, 97.3267



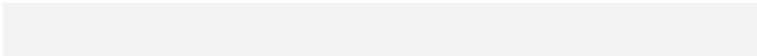
84.5858, 88.7324, 96.3564

Rectangle

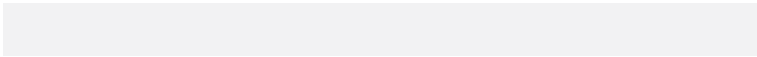
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



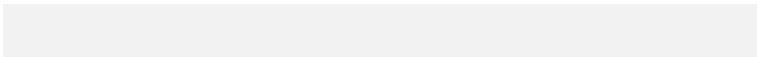
84.2473, 88.7324, 95.9058



84.0897, 88.7324, 96.3560



84.4277, 88.7324, 97.3267



84.5857, 88.7324, 96.8735

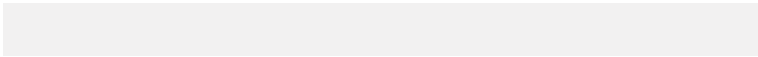
Sweetspot

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



84.2498, 88.7362, 95.9077

95.0500, 100.0000, 108.9000



83.9531, 88.1408, 95.8084



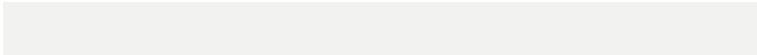
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

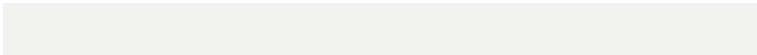
Same Dimension

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



84.2498, 88.7362, 95.9077

95.0500, 100.0000, 108.9000



84.0791, 88.6482, 95.8997



17.8044, 18.7317, 20.3988



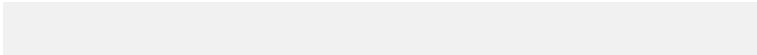
36.5513, 44.1645, 6.5981



3.0428, 3.6751, 0.5490

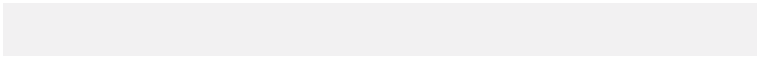
Inverse Universe

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



83.7612, 88.0245, 96.5847

95.0500, 100.0000, 108.9000



83.9315, 88.1123, 96.5927



17.8044, 18.7317, 20.3988



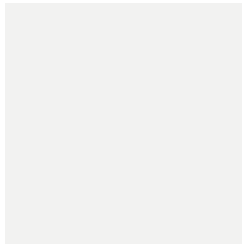
8.6192, 3.4488, 45.3393



0.7191, 0.2880, 3.7719

Previews

White Background



This preview shows how the XYZ color 84.2473, 88.7324, 95.9058 looks on a white background.

Color Contrast Check

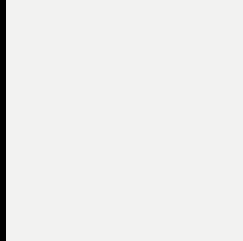
Large Text (above 18pt) WCAG AA × Fail

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 84.2473, 88.7324, 95.9058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

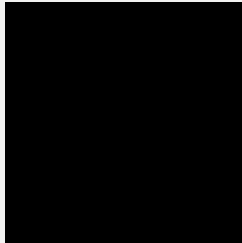
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

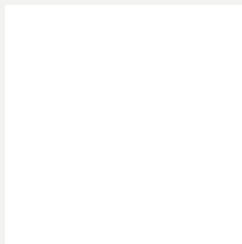
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2473, 88.7324, 95.9058

Background



This preview shows how black text looks on a background with the XYZ color 84.2473, 88.7324, 95.9058.



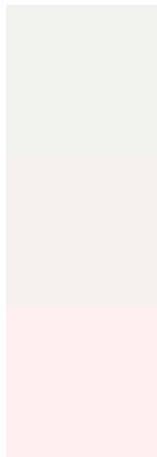
This preview shows how white text looks on a background with the XYZ color 84.2473, 88.7324,

95.9 58.

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

84.2473, 88.7324, 95.9058

Protanopia

85.1895, 88.7947, 95.0872

Deuteranopia

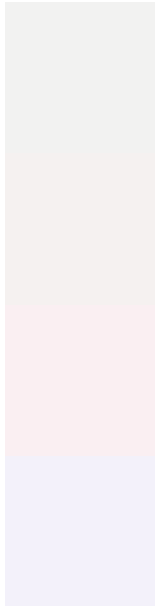
87.8415, 88.8199, 96.5186



Tritanopia

86.5183, 88.7733, 107.1827

Trichromacy



Original Color

84.2473, 88.7324, 95.9058

Protanomaly

84.8397, 88.6143, 95.0708

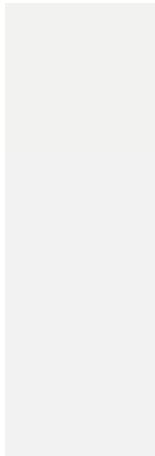
Deuteranomaly

86.3179, 88.4678, 96.5310

Tritanomaly

85.6728, 88.8674, 103.0802

Monochromacy



Original Color

84.2473, 88.7324, 95.9058

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.3971, 88.7923, 96.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2473, 88.7324, 95.9058 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, 242, 241) looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 241)  
}
```

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, 242, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 241) }
```

Border

The CSS property to change the border of an element to XYZ 84.2473, 88.7324, 95.9058 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, 242, 241) }
```

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

```
.border{ border-color:rgb(242, 242, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 242, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 241);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
241) }
```


Background

The CSS property to change the background color of an element to XYZ 84.2473, 88.7324, 95.9058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 241) }
```

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

```
.background{ background-color: rgb(242,  
242, 241) }
```

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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