

Converting Colors

XYZ(60.2152, 84.5301, 95.2550)

Have a look what the booklet for
XYZ(60.2152, 84.5301, 95.2550)
contains.

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Color

**XYZ(58.8243, 81.5932,
95.0868)**

Conversions

Conversions Part 1

Format	Color
Hex	75FFF0
RGB	117, 255, 240
RGB Percent	46%, 100%, 94%
CMY	0.5412, 0.0000, 0.0588
CMYK	0.54, 0.00, 0.06, 0.00
HSL	173°, 100%, 73%
HSV	173°, 54%, 100%
XYZ	58.8243, 81.5932, 95.0868
YIQ	212.0280, -77.4330, -33.9210

Conversions

Conversions Part 2

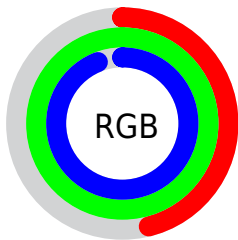
Format	Color
RYB	117, 190, 255
Decimal	7733232
CIELab	92.40, -41.12, -4.28
CIELCh	92, 41.344, 185.943
Yxy	81.5932, 0.2498, 0.3465
Android (android.graphics.Color)	4285923312 (0xFF75FFF0)
YUV	212.0280, 13.7902, -83.3396
Hunter-Lab	90.3290, -41.8324, 0.8173

Details

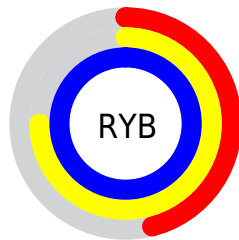
The XYZ color **58.8243, 81.5932, 95.0868** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.7671, 35.6499, 25.9839**, and the grayscale version is **62.5466, 65.8039, 71.6604**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **29.9280, 44.4067, 52.3414** is the 20% darker color. If you saturate the color by 10%, you get **55.4442, 79.8978, 92.7969**, and if you desaturate by 10%, it is **63.1457, 83.7730, 97.4564**.

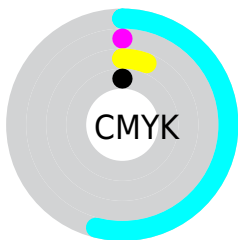
Distribution



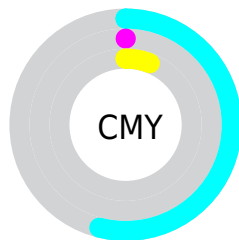
- Red (46%)
- Green (100%)
- Blue (94%)



- Red (46%)
- Yellow (75%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (54%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8243, 81.5932, 95.0868 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 58.8243, 81.5932, 95.0868 by changing the saturation by 10% instead.

58.8243, 81.5932,
95.0868

58.8243, 81.5932,
95.0868

410.1550,
500.2859, 565.4343

42.7175, 61.0303,
71.6099

102.2383,
135.6034, 156.3811

29.8571, 44.2496,
52.3552

130.2763,
169.8194, 195.0357

19.8777, 30.8668,
36.9041

163.0221,
209.3553, 239.5865

12.4139, 20.4974,
24.8380

200.8410,
254.5954, 290.4522

7.1004, 12.7571,
15.7385

244.0984,
305.9241, 348.0513

3.5719, 7.2615,
9.1870

293.1596,

1.4629, 3.6262,

363.7259, 412.8023

4.7649

348.3900,
428.3850, 485.1238

■ 0.3004, 1.4667,
2.0536

■ 0.0000, 0.2651,
0.5880

■ 58.8243, 81.5932,
95.0868

■ 58.8243, 81.5932,
95.0868

■ 55.4442, 79.8978,
92.7969

■ 63.1457, 83.7730,
97.4564

■ 52.9245, 78.6454,
90.5786

■ 68.4744, 86.4714,
99.9046

■ 51.1760, 77.7898,
88.4290

■ 74.8739, 89.7210,
102.4361

■ 50.0882, 77.2740,
86.3426

■ 82.4016, 93.5515,
105.0537

■ 49.6645, 77.0818,
85.1401

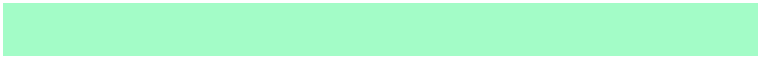
■ 91.1108, 97.9904,
107.7599

95.0500, 100.0000,
108.9000

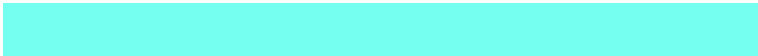
Harmonies

Analogous

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



60.2306, 81.5932, 66.9081



58.8243, 81.5932, 95.0868



62.0497, 81.5932, 128.1389

Triad

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



58.8243, 81.5932, 95.0868



90.2750, 81.5932, 145.6364



86.2507, 81.5932, 45.1449

Complementary

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



58.8243, 81.5932, 95.0868



51.7671, 35.6499, 25.9839

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.



95.4423, 81.5932, 58.5316



58.8243, 81.5932, 95.0868



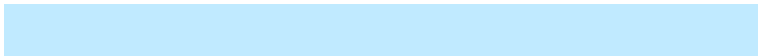
97.9112, 81.5932, 115.1092

Square

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



58.8243, 81.5932, 95.0868



79.7031, 81.5932, 161.3359



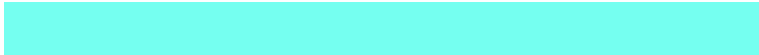
99.8840, 81.5932, 82.8751



75.4397, 81.5932, 42.1540

Rectangle

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



58.8243, 81.5932, 95.0868



66.5844, 81.5932, 147.1894



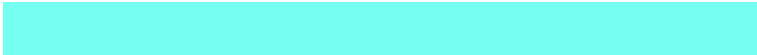
99.8840, 81.5932, 82.8751



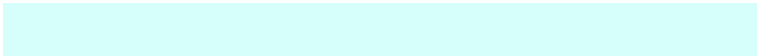
89.6621, 81.5932, 48.3987

Sweetspot

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



58.8253, 81.5937, 95.0883



80.8941, 92.7839, 104.5537



48.6607, 77.7996, 29.2835



16.9724, 19.6853, 22.2627



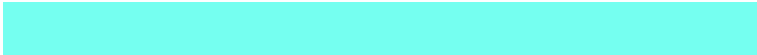
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



58.8253, 81.5937, 95.0883



55.1878, 79.7698, 92.5978



46.5314, 53.2913, 102.4415



18.4648, 20.4454, 22.7505



25.9850, 40.2906, 44.6679



2.5534, 3.9323, 4.4720

Inverse Universe

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



51.7671, 35.6499, 25.9839



47.5010, 29.5136, 17.1762



58.8079, 51.2578, 23.6256



18.0896, 18.0192, 19.0890



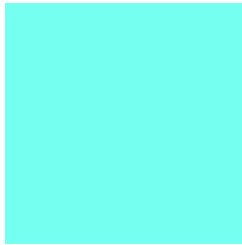
21.6822, 11.1622, 1.7109



2.1361, 1.0968, 0.2981

Previews

White Background



This preview shows how the XYZ color 58.8243, 81.5932, 95.0868 looks on a white background.

Color Contrast Check

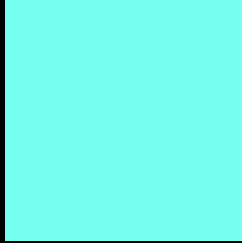
Large Text (above 18pt) WCAG AA × Fail

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 58.8243, 81.5932, 95.0868 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 58.8243, 81.5932, 95.0868

Background



This preview shows how black text looks on a background with the XYZ color 58.8243, 81.5932, 95.0868.



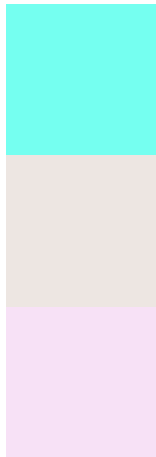
This preview shows how white text looks on a background with the XYZ color 58.8243, 81.5932,

95.0868.

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

58.8243, 81.5932, 95.0868

Protanopia

76.9493, 80.0891, 83.3546

Deuteranopia

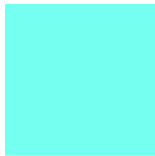
81.9175, 80.2784, 98.3665



Tritanopia

69.1566, 81.1449, 106.6253

Trichromacy



Original Color

58.8243, 81.5932, 95.0868



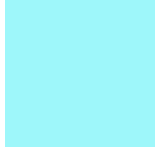
Protanomaly

67.2826, 78.8400, 87.2728



Deuteranomaly

70.1440, 78.8019, 97.1013



Tritanomaly

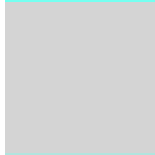
64.6166, 80.6928, 102.6121

Monochromacy



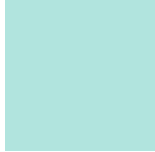
Original Color

58.8243, 81.5932, 95.0868



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.0597, 70.1078, 79.5266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8243, 81.5932, 95.0868 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(117, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 240)  
}
```

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(117, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 58.8243, 81.5932, 95.0868 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(117, 255, 240) }
```


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

```
.border{ border-color:rgb(117, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8243, 81.5932, 95.0868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 240) }
```

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

```
.background{ background-color: rgb(117,  
255, 240) }
```

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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