

Converting Colors

XYZ(58.6566, 81.5431, 96.1220)

Have a look what the booklet for
XYZ(58.6566, 81.5431, 96.1220)
contains.

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Color

**XYZ(58.5766, 81.4483,
95.8529)**

Conversions

Conversions Part 1

Format	Color
Hex	72FFF1
RGB	114, 255, 241
RGB Percent	45%, 100%, 95%
CMY	0.5529, 0.0000, 0.0549
CMYK	0.55, 0.00, 0.05, 0.00
HSL	174°, 100%, 72%
HSV	174°, 55%, 100%
XYZ	58.5766, 81.4483, 95.8529
YIQ	211.2450, -79.5420, -34.2460

Conversions

Conversions Part 2

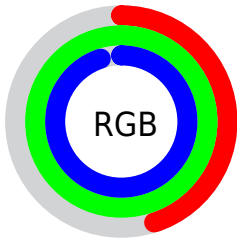
Format	Color
R_{YB}	114, 188, 255
Decimal	7536625
CIE _{Lab}	92.33, -41.44, -4.90
CIE _{LCh}	92, 41.733, 186.748
Yxy	81.4483, 0.2483, 0.3453
Android (android.graphics.Color)	4285726705 (0xFF72FFF1)
YUV	211.2450, 14.6692, -85.2839
Hunter-Lab	90.2487, -42.0785, 0.2024

Details

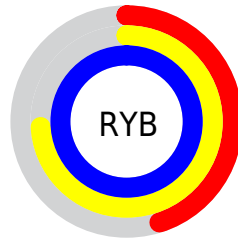
The XYZ color **58.5766, 81.4483, 95.8529** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.1545, 34.8545, 24.4549**, and the grayscale version is **62.0231, 65.2531, 71.0606**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **29.7877, 44.3223, 52.8840** is the 20% darker color. If you saturate the color by 10%, you get **55.3344, 79.8202, 93.7420**, and if you desaturate by 10%, it is **62.7505, 83.5560, 98.0377**.

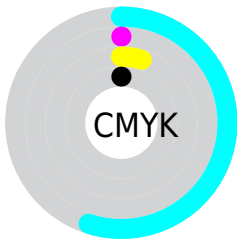
Distribution



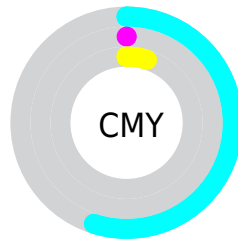
- Red (45%)
- Green (100%)
- Blue (95%)



- Red (45%)
- Yellow (74%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5766, 81.4483, 95.8529 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 58.5766, 81.4483, 95.8529 by changing the saturation by 10% instead.


 58.5766, 81.4483,
95.8529


 58.5766, 81.4483,
95.8529


409.2504,
499.8004, 567.9458


 42.5174, 60.9109,
72.2442


 101.8802,
135.4001, 157.4481

 29.6995, 44.1533,
52.8702


 129.8553,
169.5832, 196.2717

 19.7576, 30.7910,
37.3121

 162.5332,
209.0837, 241.0041

 12.3262, 20.4398,
25.1516

200.2791,
254.2859, 292.0637

 7.0400, 12.7151,
15.9700

243.4584,
305.5743, 349.8691

 3.5337, 7.2327,
9.3488

292.4365,

 1.4419, 3.6080,

363.3333, 414.8390

4.8695

347.5787,
427.9472, 487.3917

■ 0.2858, 1.4568,
2.1135

■ 0.0000, 0.2580,
0.6238

■ 58.5766, 81.4483,
95.8529

■ 58.5766, 81.4483,
95.8529

■ 55.3344, 79.8202,
93.7420

■ 62.7505, 83.5560,
98.0377

■ 52.9416, 78.6295,
91.6967

■ 67.9228, 86.1778,
100.2953

■ 51.3074, 77.8292,
89.7142

■ 74.1578, 89.3468,
102.6304

■ 50.3179, 77.3607,
87.7890

■ 81.5135, 93.0930,
105.0456

■ 49.9985, 77.2154,
86.8987

■ 90.0435, 97.4439,
107.5437

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.



59.8666, 81.4483, 67.2244



58.5766, 81.4483, 95.8529



61.9449, 81.4483, 129.2155

Triad

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



58.5766, 81.4483, 95.8529



90.5086, 81.4483, 145.3529



85.9011, 81.4483, 44.5112

Complementary

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



58.5766, 81.4483, 95.8529



51.1545, 34.8545, 24.4549

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.



95.2656, 81.4483, 57.6601



58.5766, 81.4483, 95.8529



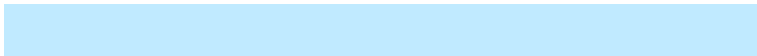
98.0938, 81.4483, 114.2825

Square

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



58.5766, 81.4483, 95.8529



79.8787, 81.4483, 161.7853



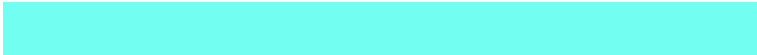
99.9108, 81.4483, 81.8805



75.0009, 81.4483, 41.7796

Rectangle

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



58.5766, 81.4483, 95.8529



66.5813, 81.4483, 148.2631



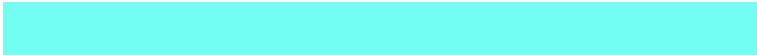
99.9108, 81.4483, 81.8805



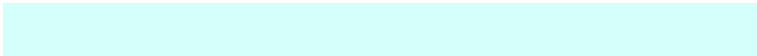
89.3626, 81.4483, 47.6814

Sweetspot

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



58.5776, 81.4488, 95.8544



80.1753, 92.4110, 104.6273



47.7155, 77.3324, 28.3331



16.8332, 19.6129, 22.2899



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

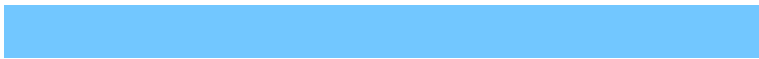
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.5776, 81.4488, 95.8544



55.1379, 79.7220, 93.5950



45.3222, 51.4619, 102.1521



18.4725, 20.4485, 22.7913



26.1570, 40.3594, 45.5735



2.5684, 3.9383, 4.5510

Inverse Universe

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



51.1545, 34.8545, 24.4549



47.0927, 29.0154, 16.0584



58.7281, 51.3760, 22.7425



18.0826, 18.0164, 19.0523



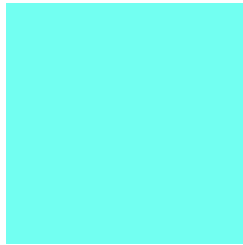
21.6662, 11.1558, 1.6269



2.1328, 1.0955, 0.2808

Previews

White Background



This preview shows how the XYZ color 58.5766, 81.4483, 95.8529 looks on a white background.

Color Contrast Check

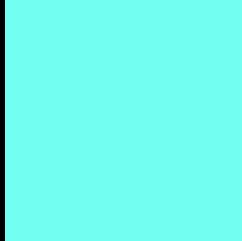
Large Text (above 18pt) WCAG AA × Fail

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 58.5766, 81.4483, 95.8529 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

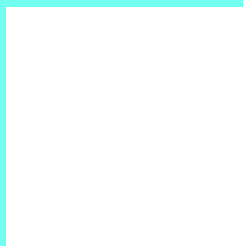
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5766, 81.4483, 95.8529

Background



This preview shows how black text looks on a background with the XYZ color 58.5766, 81.4483, 95.8529.

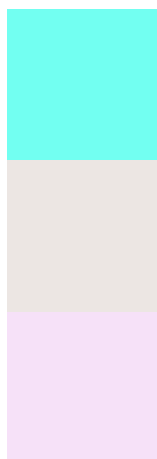


This preview shows how white text looks on a background with the XYZ color 58.5766, 81.4483,

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

58.5766, 81.4483, 95.8529

Protanopia

76.7540, 79.9725, 84.0639

Deuteranopia

81.8745, 80.2206, 99.9758



Tritanopia

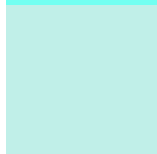
68.9230, 81.0245, 106.6144

Trichromacy



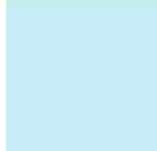
Original Color

58.5766, 81.4483, 95.8529



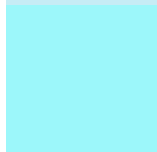
Protanomaly

67.1702, 78.7657, 88.0070



Deuteranomaly

69.7656, 78.5892, 97.8784



Tritanomaly

64.2264, 80.4916, 102.5938

Monochromacy



Original Color

58.5766, 81.4483, 95.8529



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.5584, 69.4422, 79.4246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5766, 81.4483, 95.8529 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(114, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(114, 255, 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(114, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 58.5766, 81.4483, 95.8529 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(114, 255, 241) }
```


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

```
.border{ border-color:rgb(114, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(114, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5766, 81.4483, 95.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 241) }
```

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

```
.background{ background-color: rgb(114,  
255, 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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