

Converting Colors

XYZ(77.5736, 100.0000,
173.2565)

Have a look what the booklet for
XYZ(77.5736, 100.0000, 173.2565)
contains.

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Color

**XYZ(58.4261, 81.1197,
107.1860)**

Conversions

Conversions Part 1

Format	Color
Hex	5EFFFF
RGB	94, 255, 255
RGB Percent	37%, 100%, 100%
CMY	0.6313, 0.0000, 0.0000
CMYK	0.63, 0.00, 0.00, 0.00
HSL	180°, 100%, 68%
HSV	180°, 63%, 100%
XYZ	58.4261, 81.1197, 107.1860
YIQ	206.8610, -95.9560, -34.1320

Conversions

Conversions Part 2

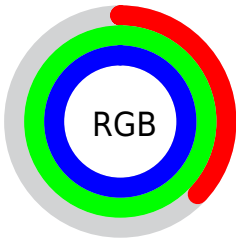
Format	Color
RYB	94, 175, 255
Decimal	6225919
CIELab	92.18, -41.18, -12.43
CIElCh	92, 43.015, 196.796
Yxy	81.1197, 0.2368, 0.3288
Android (android.graphics.Color)	4284415999 (0xFF5EFFFF)
YUV	206.8610, 23.7325, -98.9791
Hunter-Lab	90.0665, -41.8234, -7.5131

Details

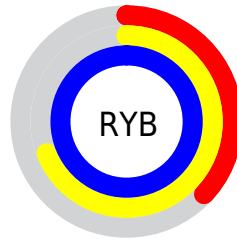
The XYZ color **58.4261, 81.1197, 107.1860** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.2643, 30.0753, 13.9058**, and the grayscale version is **59.1162, 62.1948, 67.7301**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **56.2296, 79.9873, 107.0832**, and if you desaturate by 10%, it is **61.4878, 82.6980, 107.3293**.

Distribution



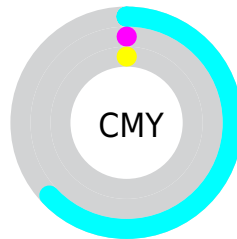
- Red (37%)
- Green (100%)
- Blue (100%)



- Red (37%)
- Yellow (69%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4261, 81.1197, 107.1860 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 58.4261, 81.1197, 107.1860 by changing the saturation by 10% instead.


 58.4261, 81.1197,
107.1860


 58.4261, 81.1197,
107.1860

408.7001,
498.6983, 604.4364


 42.3959, 60.6402,
81.6651


 101.6625,
134.9388, 173.1356

 29.6039, 43.9349,
60.5553


 129.5994,
169.0472, 214.4013

 19.6847, 30.6193,
43.4381


 162.2359,
208.4674, 261.7523

 12.2730, 20.3091,
29.8951

199.9374,
253.5837, 315.6072

 7.0034, 12.6199,
19.5076

243.0692,
304.7806, 376.3846

 3.5106, 7.1674,
11.8571

291.9967,

 1.4292, 3.5670,

362.4424, 444.5028

6.5251

347.0852,
426.9535, 520.3806

■ 0.2769, 1.4344,
3.0930

■ 0.0000, 0.2419,
1.1423

■ 58.4261, 81.1197,
107.1860

■ 58.4261, 81.1197,
107.1860

■ 56.2296, 79.9873,
107.0832

■ 61.4878, 82.6980,
107.3293

■ 54.8066, 79.2538,
107.0166

■ 65.4886, 84.7606,
107.5166

■ 54.0504, 78.8639,
106.9812

■ 70.4978, 87.3429,
107.7510

■ 53.8100, 78.7400,
106.9700

■ 76.5773, 90.4770,
108.0355

■ 83.7840, 94.1922,
108.3728

■ 92.1709, 98.5158,
108.7653

■ 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.



58.1389, 81.1197, 75.0899



58.4261, 81.1197, 107.1860



63.3978, 81.1197, 140.7744

Triad

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



58.4261, 81.1197, 107.1860



93.7238, 81.1197, 137.1113



82.0790, 81.1197, 41.1914

Complementary

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



58.4261, 81.1197, 107.1860



47.2643, 30.0753, 13.9058

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.



92.6508, 81.1197, 50.8515



58.4261, 81.1197, 107.1860



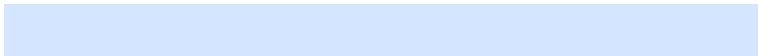
99.7958, 81.1197, 103.0318

Square

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



58.4261, 81.1197, 107.1860



83.4332, 81.1197, 160.6912



99.3853, 81.1197, 71.8185



71.0992, 81.1197, 41.7904

Rectangle

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



58.4261, 81.1197, 107.1860



68.9969, 81.1197, 157.2346



99.3853, 81.1197, 71.8185



85.8179, 81.1197, 43.2251

Sweetspot

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



58.4270, 81.1202, 107.1861



79.4166, 91.9407, 108.1684



42.3978, 74.7085, 22.7774



16.5735, 19.4600, 23.1326



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.



58.4270, 81.1202, 107.1861



55.7468, 79.7385, 107.0606



37.9007, 40.0676, 100.3440



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



63.2935, 36.4870, 98.3145



60.9694, 31.8389, 97.5398



58.4945, 52.5357, 17.6492



18.7928, 18.3004, 22.7918



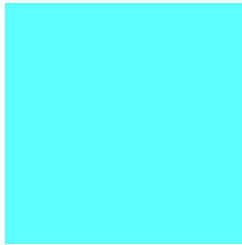
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 58.4261, 81.1197, 107.1860 looks on a white background.

Color Contrast Check

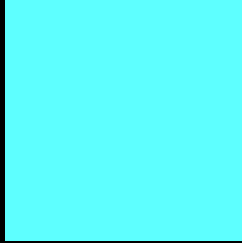
Large Text (above 18pt) WCAG AA × Fail

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 58.4261, 81.1197, 107.1860 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

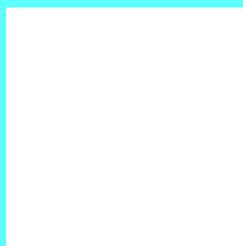
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.4261, 81.1197, 107.1860

Background



This preview shows how black text looks on a background with the XYZ color 58.4261, 81.1197, 107.1860.

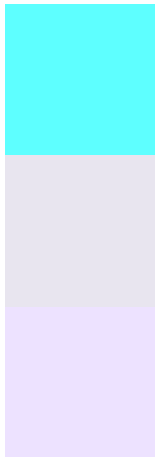


This preview shows how white text looks on a background with the XYZ color 58.4261, 81.1197,

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

58.4261, 81.1197, 107.1860

Protanopia

76.8780, 79.4264, 92.9403

Deuteranopia

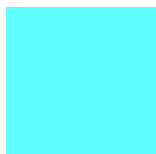
80.1714, 79.6172, 105.7499



Tritanopia

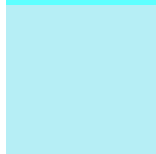
67.5562, 80.3199, 106.5504

Trichromacy



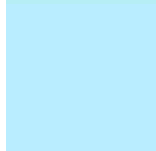
Original Color

58.4261, 81.1197, 107.1860



Protanomaly

66.3474, 77.6867, 97.8844



Deuteranomaly

68.3418, 78.1027, 106.0811



Tritanomaly

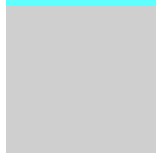
62.9878, 79.7613, 106.6834

Monochromacy



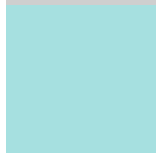
Original Color

58.4261, 81.1197, 107.1860



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.8361, 66.8001, 80.4718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4261, 81.1197, 107.1860 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(94, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 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(94, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.4261, 81.1197, 107.1860 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(94, 255, 255) }
```


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

```
.border{ border-color:rgb(94, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4261, 81.1197, 107.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 255) }
```

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

```
.background{ background-color: rgb(94, 255,  
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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