

Converting Colors

XYZ(102.9248, 100.0000,
342.1654)

Have a look what the booklet for
XYZ(102.9248, 100.0000, 342.1654)
contains.

XYZ(57.6478, 80.7184, 107.1496)	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(57.6478, 80.7184,
107.1496)**

Conversions

Conversions Part 1

Format	Color
Hex	56FFFF
RGB	86, 255, 255
RGB Percent	34%, 100%, 100%
CMY	0.6627, 0.0000, 0.0000
CMYK	0.66, 0.00, 0.00, 0.00
HSL	180°, 100%, 67%
HSV	180°, 66%, 100%
XYZ	57.6478, 80.7184, 107.1496
YIQ	204.4690, -100.7240, -35.8280

Conversions

Conversions Part 2

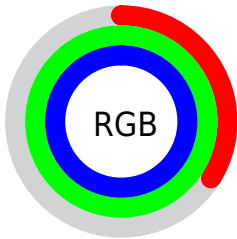
Format	Color
RYB	86, 171, 255
Decimal	5701631
CIELab	92.01, -42.31, -12.72
CIELCh	92, 44.176, 196.728
Yxy	80.7184, 0.2348, 0.3288
Android (android.graphics.Color)	4283891711 (0xFF56FFFF)
YUV	204.4690, 24.9118, -103.8973
Hunter-Lab	89.8434, -42.6919, -7.8204

Details

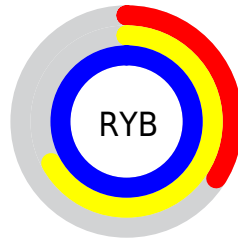
The XYZ color **57.6478, 80.7184, 107.1496** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **46.2488, 28.5894, 11.8871**, and the grayscale version is **57.5856, 60.5845, 65.9765**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **30.3871, 44.4654, 60.4072** is the 20% darker color. If you saturate the color by 10%, you get **55.7045, 79.7167, 107.0587**, and if you desaturate by 10%, it is **60.4300, 82.1528, 107.2798**.

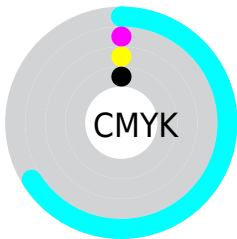
Distribution



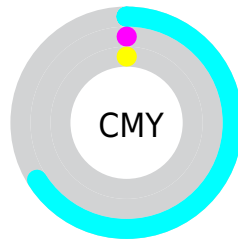
- Red (34%)
- Green (100%)
- Blue (100%)



- Red (34%)
- Yellow (67%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6478, 80.7184, 107.1496 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 57.6478, 80.7184, 107.1496 by changing the saturation by 10% instead.


 57.6478, 80.7184,
107.1496


 57.6478, 80.7184,
107.1496


405.8473,
497.3506, 604.3211

 41.7677, 60.3097,
81.6347


 100.5357,
134.3753, 173.0855


 29.1098, 43.6683,
60.5304


 128.2743,
168.3923, 214.3435

 19.3086, 30.4098,
43.4182


 160.6964,
207.7142, 261.6863

 11.9988, 20.1499,
29.8796

 198.1673,
252.7253, 315.5325

 6.8150, 12.5040,
19.4959

241.0526,
303.8101, 376.3005

 3.3920, 7.0879,
11.8487

289.7174,

 1.3643, 3.5171,

361.3530, 444.4089

6.5195

344.5272,
425.7384, 520.2763

■ 0.2306, 1.4073,
3.0896

■ 0.0000, 0.2221,
1.1406

■ 57.6478, 80.7184,
107.1496

■ 57.6478, 80.7184,
107.1496

■ 55.7045, 79.7167,
107.0587

■ 60.4300, 82.1528,
107.2798

■ 54.5035, 79.0975,
107.0025

■ 64.1283, 84.0593,
107.4529

■ 53.9291, 78.8014,
106.9756

■ 68.8143, 86.4750,
107.6722

■ 53.8100, 78.7400,
106.9700

■ 74.5517, 89.4328,
107.9407

■ 81.3990, 92.9627,
108.2611

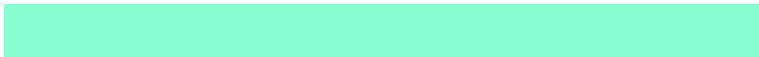
■ 89.4103, 97.0926,
108.6361

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.



57.3664, 80.7184, 74.2975



57.6478, 80.7184, 107.1496



62.7026, 80.7184, 141.7501

Triad

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



57.6478, 80.7184, 107.1496



93.7464, 80.7184, 138.1122



81.8442, 80.7184, 39.9851

Complementary

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



57.6478, 80.7184, 107.1496



46.2488, 28.5894, 11.8871

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.



92.6856, 80.7184, 49.7599



57.6478, 80.7184, 107.1496



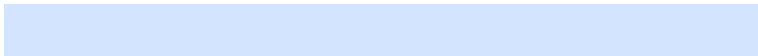
100.0008, 80.7184, 103.0437

Square

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



57.6478, 80.7184, 107.1496



83.1800, 80.7184, 162.4290



99.5944, 80.7184, 71.0863



70.6042, 80.7184, 40.5656

Rectangle

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



57.6478, 80.7184, 107.1496



68.4111, 80.7184, 158.7796



99.5944, 80.7184, 71.0863



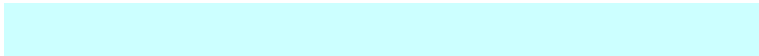
85.6767, 80.7184, 42.0414

Sweetspot

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



57.6488, 80.7190, 107.1497



78.7118, 91.5774, 108.1354



41.2789, 74.1710, 20.9472



16.4367, 19.3895, 23.1262



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.



57.6488, 80.7190, 107.1497



55.1752, 79.4438, 107.0339



36.3584, 38.1383, 100.0529



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.



62.6187, 35.1373, 98.0896



60.4738, 30.8477, 97.3746



57.3898, 50.8714, 15.6008



18.7928, 18.3004, 22.7918



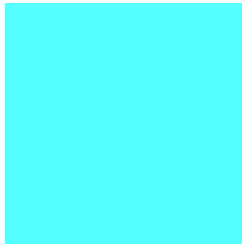
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 57.6478, 80.7184, 107.1496 looks on a white background.

Color Contrast Check

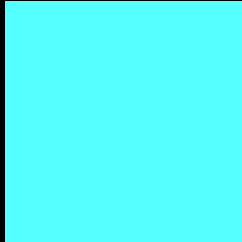
Large Text (above 18pt) WCAG AA × Fail

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 57.6478, 80.7184, 107.1496 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

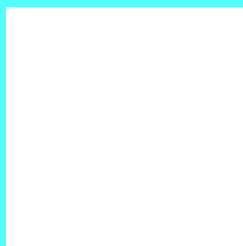
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.6478, 80.7184, 107.1496

Background



This preview shows how black text looks on a background with the XYZ color 57.6478, 80.7184, 107.1496.



This preview shows how white text looks on a background with the XYZ color 57.6478, 80.7184,

Color Blindness Simulation

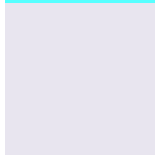
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

57.6478, 80.7184, 107.1496



Protanopia

76.8780, 79.4264, 92.9403



Deuteranopia

79.8384, 79.4456, 105.7343



Tritanopia

66.8952, 79.9791, 106.5195

Trichromacy



Original Color

57.6478, 80.7184, 107.1496



Protanomaly

65.6464, 77.3253, 97.8516



Deuteranomaly

67.3902, 77.6121, 106.0365



Tritanomaly

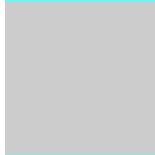
62.1260, 79.3170, 106.6431

Monochromacy



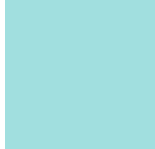
Original Color

57.6478, 80.7184, 107.1496



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.4049, 65.6801, 79.6221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6478, 80.7184, 107.1496 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(86, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 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(86, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.6478, 80.7184, 107.1496 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(86, 255, 255) }
```


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

```
.border{ border-color:rgb(86, 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(86, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6478, 80.7184, 107.1496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 255, 255) }
```

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

```
.background{ background-color: rgb(86, 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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