

Converting Colors

XYZ(82.2061, 80.6904,
265.5879)

Have a look what the booklet for
XYZ(82.2061, 80.6904, 265.5879)
contains.

XYZ(51.8782, 68.7605, 105.1456)	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(51.8782, 68.7605,
105.1456)**

Conversions

Conversions Part 1

Format	Color
Hex	59EBFF
RGB	89, 235, 255
RGB Percent	35%, 92%, 100%
CMY	0.6509, 0.0784, 0.0000
CMYK	0.65, 0.08, 0.00, 0.00
HSL	187°, 100%, 67%
HSV	187°, 65%, 100%
XYZ	51.8782, 68.7605, 105.1456
YIQ	193.6260, -93.4360, -24.7320

Conversions

Conversions Part 2

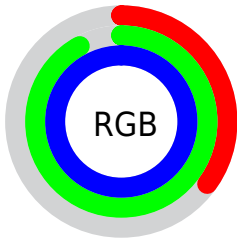
Format	Color
RYB	89, 167, 255
Decimal	5893119
CIELab	86.39, -32.70, -21.16
CIELCh	86, 38.946, 212.908
Yxy	68.7605, 0.2298, 0.3045
Android (android.graphics.Color)	4284083199 (0xFF59EBFF)
YUV	193.6260, 30.2574, -91.7570
Hunter-Lab	82.9220, -33.4390, -17.1348

Details

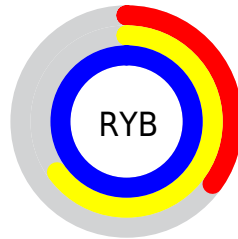
The XYZ color **51.8782, 68.7605, 105.1456** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **48.5130, 32.9202, 13.2508**, and the grayscale version is **50.9263, 53.5784, 58.3469**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **26.3131, 36.3174, 59.0492** is the 20% darker color. If you saturate the color by 10%, you get **48.9700, 65.9683, 104.7599**, and if you desaturate by 10%, it is **55.6525, 72.0247, 105.5767**.

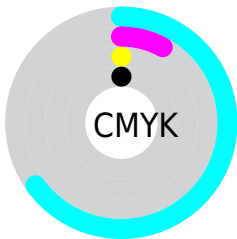
Distribution



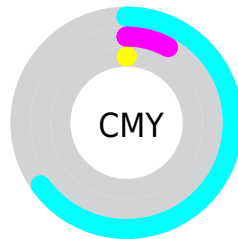
- Red (35%)
- Green (92%)
- Blue (100%)



- Red (35%)
- Yellow (65%)
- Blue (100%)



- Cyan (65%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8782, 68.7605, 105.1456 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 51.8782, 68.7605, 105.1456 by changing the saturation by 10% instead.

51.8782, 68.7605,
105.1456

51.8782, 68.7605,
105.1456

384.2979,
456.1858, 597.9540

37.1319, 50.5167,
79.9640

92.1269, 117.4394,
170.3239

25.4838, 35.8241,
59.1627

118.3599,
148.6433, 211.1578

16.5685, 24.2984,
42.3233

149.1526,
184.9361, 258.0461

10.0207, 15.5551,
29.0270

184.8703,
226.7020, 311.4074

5.4751, 9.2099,
18.8555

225.8783,
274.3256, 371.6604

2.5662, 4.8783,
11.3902

272.5420,

0.9288, 2.1761,

328.1911, 439.2234

6.2125

325.2267,
388.6831, 514.5151

■ 0.0000, 0.7069,
2.9038

■ 0.0000, 0.0000,
1.0457

■ 51.8782, 68.7605,
105.1456

■ 51.8782, 68.7605,
105.1456

■ 48.9700, 65.9683,
104.7599

■ 55.6525, 72.0247,
105.5767

■ 46.8301, 63.5931,
104.4142

■ 60.3659, 75.7942,
106.0559

■ 45.3475, 61.5791,
104.1036

■ 66.0901, 80.1076,
106.5867

■ 44.7811, 60.6822,
103.9604

■ 72.8883, 84.9975,
107.1723

■ 80.8185, 90.4939,
107.8152

■ 89.9343, 96.6247,
108.5181

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.



49.5529, 68.7605, 77.4103



51.8782, 68.7605, 105.1456



57.7872, 68.7605, 128.2164

Triad

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



51.8782, 68.7605, 105.1456



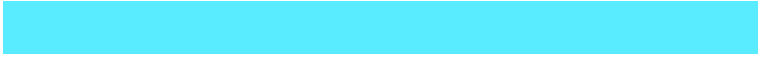
82.0006, 68.7605, 99.7798



64.4811, 68.7605, 35.4828

Complementary

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



51.8782, 68.7605, 105.1456



48.5130, 32.9202, 13.2508

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.



73.5558, 68.7605, 38.8505



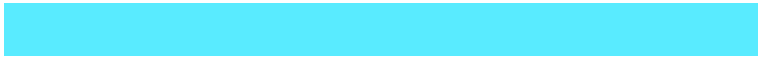
51.8782, 68.7605, 105.1456



84.2027, 68.7605, 72.3830

Square

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



51.8782, 68.7605, 105.1456



75.2128, 68.7605, 124.6520



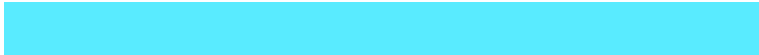
80.9839, 68.7605, 51.0450



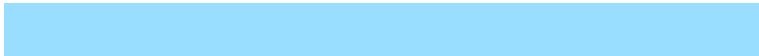
56.3981, 68.7605, 40.4963

Rectangle

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



51.8782, 68.7605, 105.1456



63.2416, 68.7605, 135.5938



80.9839, 68.7605, 51.0450



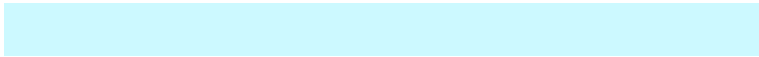
67.5145, 68.7605, 35.6749

Sweetspot

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



51.8801, 68.7630, 105.1460



76.7831, 87.7198, 107.4925



42.6076, 74.7351, 26.4721



15.9669, 18.4499, 22.9696



0.0000, 0.0000, 0.0000



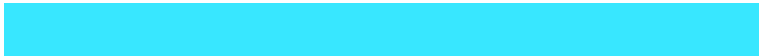
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8801, 68.7630, 105.1460



48.2732, 65.2371, 104.6555



33.5031, 32.0090, 99.0203



18.3571, 20.0858, 23.1594



23.4730, 31.8556, 54.3462



2.3359, 3.2025, 5.3083

Inverse Universe

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



59.8091, 34.4048, 82.0883



57.0883, 29.8698, 78.3865



61.7553, 59.4049, 17.6649



18.6929, 18.2605, 22.2659



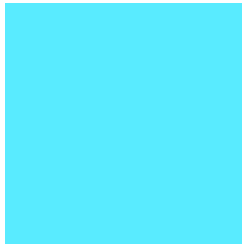
28.6363, 13.9438, 38.3307



2.8137, 1.3678, 3.8661

Previews

White Background



This preview shows how the XYZ color 51.8782, 68.7605, 105.1456 looks on a white background.

Color Contrast Check

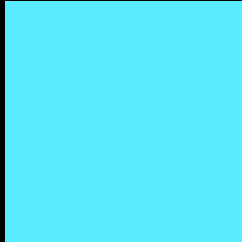
Large Text (above 18pt) WCAG AA × Fail

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 51.8782, 68.7605, 105.1456 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 51.8782, 68.7605, 105.1456

Background



This preview shows how black text looks on a background with the XYZ color 51.8782, 68.7605, 105.1456.

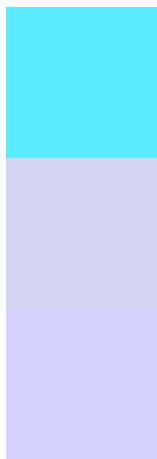


This preview shows how white text looks on a background with the XYZ color 51.8782, 68.7605,

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

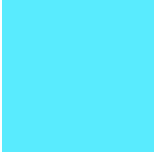
51.8782, 68.7605, 105.1456

Protanopia

66.5354, 67.7883, 92.7967

Deuteranopia

68.5372, 67.4593, 104.0164



Tritanopia

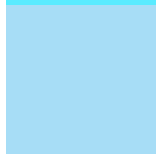
51.7175, 68.6963, 104.2998

Trichromacy



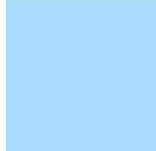
Original Color

51.8782, 68.7605, 105.1456



Protanomaly

58.4274, 66.5822, 96.9610



Deuteranomaly

59.5300, 66.2079, 104.2496



Tritanomaly

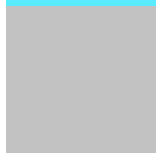
51.7175, 68.6963, 104.2998

Monochromacy



Original Color

51.8782, 68.7605, 105.1456



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.9054, 57.6267, 73.5112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8782, 68.7605, 105.1456 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(89, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 235, 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(89, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8782, 68.7605, 105.1456 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(89, 235, 255) }
```


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

```
.border{ border-color:rgb(89, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8782, 68.7605, 105.1456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 235, 255) }
```

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

```
.background{ background-color: rgb(89, 235,  
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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