

# Converting Colors

XYZ(51.8383, 54.0878, 95.7035)

Have a look what the booklet for  
XYZ(51.8383, 54.0878, 95.7035)  
contains.

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# Color

**XYZ(51.8383, 54.0878,  
95.7035)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A4C4F7
RGB	164, 196, 247
RGB Percent	64%, 77%, 97%
CMY	0.3568, 0.2314, 0.0314
CMYK	0.34, 0.21, 0.00, 0.03
HSL	217°, 84%, 81%
HSV	217°, 34%, 97%
XYZ	51.8383, 54.0878, 95.7035
YIQ	192.2460, -35.4430, 9.0770

# Conversions

## Conversions Part 2

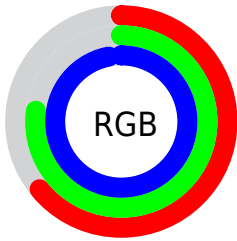
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">164, 187, 247</a>
Decimal	<a href="#">10798327</a>
CIELab	<a href="#">78.51, 1.13, -28.63</a>
CIELCh	<a href="#">79, 28.650, 272.263</a>
Yxy	<a href="#">54.0878, 0.2571, 0.2683</a>
Android (android.graphics.Color)	<a href="#">4288988407</a> ( <a href="#">0xFFA4C4F7</a> )
YUV	<a href="#">192.2460, 26.9937, -24.7717</a>
Hunter-Lab	<a href="#">73.5444, -2.8857, -25.6731</a>

# Details

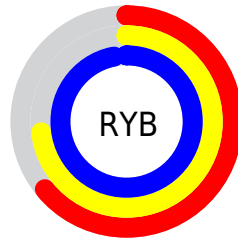
The XYZ color **51.8383, 54.0878, 95.7035** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.3601, 71.0564, 45.1833**, and the grayscale version is **50.1101, 52.7198, 57.4118**.

A 20% lighter version of the original color is **82.6792, 92.2130, 108.0490**, and **25.3977, 26.3787, 52.4682** is the 20% darker color. If you saturate the color by 10%, you get **43.9756, 45.2080, 94.4049**, and if you desaturate by 10%, it is **61.0407, 64.1748, 97.1664**.

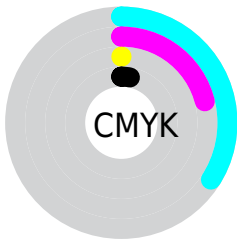
# Distribution



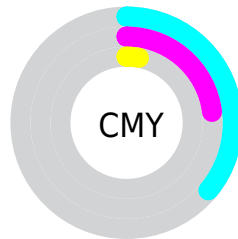
- Red (64%)
- Green (77%)
- Blue (97%)



- Red (64%)
- Yellow (73%)
- Blue (97%)



- Cyan (34%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)



- Cyan (36%)
- Magenta (23%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8383, 54.0878, 95.7035 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 51.8383, 54.0878, 95.7035 by changing the saturation by 10% instead.



■ 51.8383, 54.0878,  
95.7035

■ 51.8383, 54.0878,  
95.7035

384.1463,  
402.4447, 567.4565

■ 37.1000, 38.6719,  
72.1205

■ 92.0684, 96.2031,  
157.2401

■ 25.4589, 26.5046,  
52.7697

■ 118.2908,  
123.6713, 196.0308

■ 16.5498, 17.2015,  
37.2325

149.0719,  
155.9258, 240.7278

■ 10.0074, 10.3782,  
25.0903

184.7772,  
193.3508, 291.7496

■ 5.4662, 5.6505,  
15.9247

225.7719,  
236.3308, 349.5149

■ 2.5608, 2.6337,  
9.3171

272.4214,

■ 0.9260, 0.9436,

285.2502, 414.4421

4.8490

325.0911,  
340.4934, 486.9498

■ 0.0000, 0.0000,  
2.1017

■ 0.0000, 0.0000,  
0.6168

■ 51.8383, 54.0878,  
95.7035

■ 51.8383, 54.0878,  
95.7035

■ 43.9756, 45.2080,  
94.4049

■ 61.0407, 64.1748,  
97.1664

■ 37.3795, 37.4788,  
93.2606

■ 71.6403, 75.5095,  
98.7956

■ 31.9777, 30.8482,  
92.2655

■ 83.6973, 88.1381,  
100.5977

■ 27.6875, 25.2569,  
91.4124

■ 93.7887, 99.4955,  
102.2580

■ 24.4142, 20.6384,  
90.6935

■ 22.0447, 16.9153,  
90.0997

■ 20.9018, 14.9418,  
89.7790

# Harmonies

## Analogous

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



46.5242, 54.0878, 90.8865



51.8383, 54.0878, 95.7035



57.4187, 54.0878, 89.2583

# Triad

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



51.8383, 54.0878, 95.7035



61.1368, 54.0878, 43.8183



42.3940, 54.0878, 45.5860

# Complementary

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



51.8383, 54.0878, 95.7035



69.3601, 71.0564, 45.1833

# 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.



45.8336, 54.0878, 36.3370



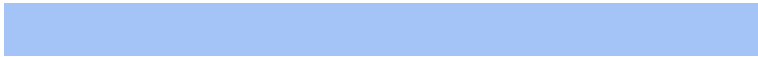
51.8383, 54.0878, 95.7035



56.6239, 54.0878, 35.4552

# Square

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



51.8383, 54.0878, 95.7035



63.0261, 54.0878, 57.6744



50.9817, 54.0878, 32.9872



41.3147, 54.0878, 60.1275



# Rectangle

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



51.8383, 54.0878, 95.7035



60.4723, 54.0878, 80.0234



50.9817, 54.0878, 32.9872



43.2995, 54.0878, 41.8531

# Sweetspot

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



51.8401, 54.0899, 95.7048



81.4866, 85.8877, 106.8909



60.6841, 79.2601, 75.5863



17.0611, 17.9834, 22.8219



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.



51.8401, 54.0899, 95.7048



50.1083, 51.8351, 101.9719



47.1448, 42.0728, 93.6327



16.1050, 16.9743, 20.9701



11.1815, 8.1567, 47.5231



1.0791, 0.9097, 4.2089



# Inverse Universe

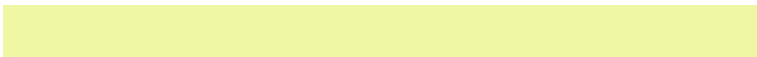
The Inverse Universe completely reimagines the original color for something new.



61.5985, 50.3123, 58.6914



62.1819, 47.8627, 56.0201



75.4582, 87.5015, 48.0362



16.7636, 16.5883, 18.5015



21.4484, 10.9228, 7.0696

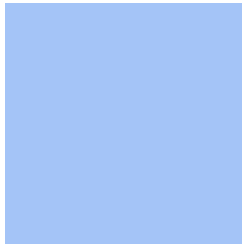


1.9338, 0.9795, 0.8775



# Previews

## White Background



This preview shows how the XYZ color 51.8383, 54.0878, 95.7035 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

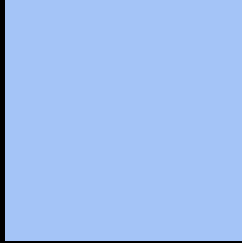
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8383, 54.0878, 95.7035 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

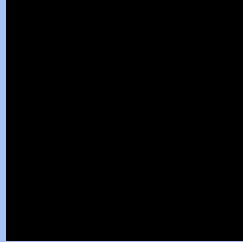
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

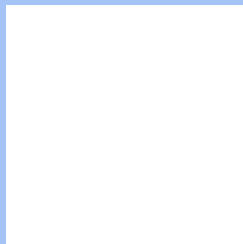
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.8383, 54.0878, 95.7035**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8383, 54.0878, 95.7035.



This preview shows how white text looks on a background with the XYZ color 51.8383, 54.0878,



# 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

51.8383, 54.0878, 95.7035

### Protanopia

54.2348, 54.0547, 93.1631

### Deuteranopia

55.1239, 53.7946, 96.2850



## Tritanopia

47.3157, 53.9511, 73.5655

# Trichromacy



## Original Color

51.8383, 54.0878, 95.7035

## Protanomaly

53.2306, 53.8465, 93.9741

## Deuteranomaly

53.9244, 53.8237, 96.3538

## Tritanomaly

48.9242, 53.9219, 81.2282

# Monochromacy



## Original Color

51.8383, 54.0878, 95.7035

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.2450, 52.8385, 69.8380

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8383, 54.0878, 95.7035 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(164, 196, 247)` looks like.

```
.text, #text, p{  
    color:rgb(164, 196, 247)  
}
```

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(164, 196, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 196, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8383, 54.0878, 95.7035 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(164, 196, 247) }
```



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

```
.border{ border-color:rgb(164, 196, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 196, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 196, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 196, 247);  
box-shadow:4px 4px 4px 4px rgb(164, 196,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8383, 54.0878, 95.7035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 196, 247) }
```

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

```
.background{ background-color: rgb(164,  
196, 247) }
```

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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