

Converting Colors

XYZ(49.3856, 58.4711, 94.4584)

Have a look what the booklet for
XYZ(49.3856, 58.4711, 94.4584)
contains.

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Color

**XYZ(49.3883, 58.5242,
94.2812)**

Conversions

Conversions Part 1

Format	Color
Hex	84D4F4
RGB	132, 212, 244
RGB Percent	52%, 83%, 96%
CMY	0.4823, 0.1686, 0.0431
CMYK	0.46, 0.13, 0.00, 0.04
HSL	197°, 84%, 74%
HSV	197°, 46%, 96%
XYZ	49.3883, 58.5242, 94.2812
YIQ	191.7280, -57.9520, -7.0080

Conversions

Conversions Part 2

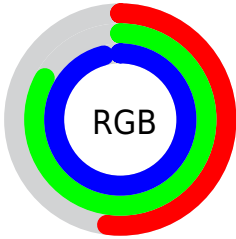
Format	Color
R_{YB}	132, 179, 244
Decimal	8705268
CIE _{Lab}	81.03, -16.26, -23.34
CIE _{LCh}	81, 28.439, 235.139
Yxy	58.5242, 0.2443, 0.2894
Android (android.graphics.Color)	4286895348 (0xFF84D4F4)
YUV	191.7280, 25.7701, -52.3815
Hunter-Lab	76.5011, -18.6393, -19.5192

Details

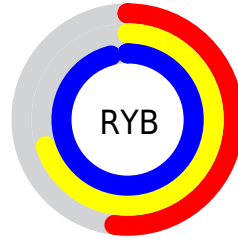
The XYZ color **49.3883, 58.5242, 94.2812** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.7497, 47.4511, 28.1048**, and the grayscale version is **49.8247, 52.4195, 57.0848**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **23.8817, 29.1612, 51.9469** is the 20% darker color. If you saturate the color by 10%, you get **44.3048, 53.3733, 93.5560**, and if you desaturate by 10%, it is **55.4430, 64.2900, 95.0760**.

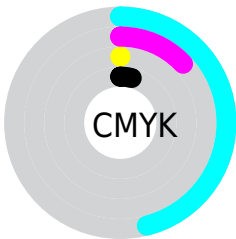
Distribution



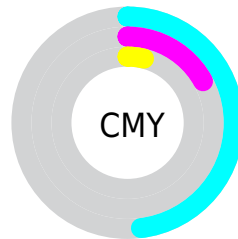
- Red (52%)
- Green (83%)
- Blue (96%)



- Red (52%)
- Yellow (70%)
- Blue (96%)



- Cyan (46%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (48%)
- Magenta (17%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3883, 58.5242, 94.2812 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 49.3883, 58.5242, 94.2812 by changing the saturation by 10% instead.

■ 49.3883, 58.5242,
94.2812

■ 49.3883, 58.5242,
94.2812

374.7606,
419.1364, 562.7867

■ 35.1434, 42.2302,
70.9433

■ 88.4651, 102.6858,
155.2582

■ 23.9404, 29.2816,
51.8144

■ 114.0278,
131.3223, 193.7344

■ 15.4139, 19.2940,
36.4759

■ 144.0938,
164.8416, 238.0937

■ 9.1986, 11.8829,
24.5094

179.0284,
203.6283, 288.7547

■ 4.9291, 6.6640,
15.4962

219.1971,
248.0668, 346.1360

■ 2.2400, 3.2529,
9.0179

264.9651,

■ 0.7637, 1.2651,

298.5413, 410.6561

4.6559

316.6978,
355.4364, 482.7335

■ 0.0000, 0.1140,
1.9916

■ 0.0000, 0.0000,
0.5501

■ 49.3883, 58.5242,
94.2812

■ 49.3883, 58.5242,
94.2812

■ 44.3048, 53.3733,
93.5560

■ 55.4430, 64.2900,
95.0760

■ 40.1228, 48.7963,
92.8929

■ 62.5213, 70.6952,
95.9393

■ 36.7719, 44.7565,
92.2898

■ 70.6782, 77.7709,
96.8751

■ 34.1676, 41.2092,
91.7423

■ 79.9630, 85.5439,
97.8861

■ 32.2059, 38.0990,
91.2454

■ 90.4221, 94.0391,
98.9746

■ 31.5214, 36.9159,
91.0531

■ 92.9574, 98.5679,
99.7151

■ 93.3293, 99.3117,
99.8391

Harmonies

Analogous

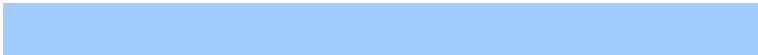
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9724, 58.5242, 78.5494



49.3883, 58.5242, 94.2812



54.6694, 58.5242, 101.8984

Triad

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



49.3883, 58.5242, 94.2812



67.7154, 58.5242, 66.5167



50.9429, 58.5242, 38.5984

Complementary

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



49.3883, 58.5242, 94.2812



54.7497, 47.4511, 28.1048

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.



56.5926, 58.5242, 36.5171



49.3883, 58.5242, 94.2812



66.5433, 58.5242, 50.8904

Square

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



49.3883, 58.5242, 94.2812



65.4656, 58.5242, 84.1618



62.3669, 58.5242, 40.6037



46.8244, 58.5242, 46.8939

Rectangle

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



49.3883, 58.5242, 94.2812



58.6419, 58.5242, 100.5223



62.3669, 58.5242, 40.6037



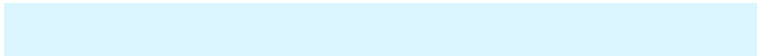
52.7144, 58.5242, 37.2190

Sweetspot

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



49.3902, 58.5264, 94.2826



79.9458, 87.5108, 107.2854



48.5446, 72.2789, 46.3902



16.6613, 18.3484, 22.9134



0.0000, 0.0000, 0.0000



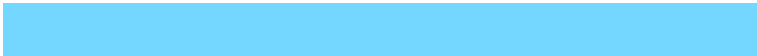
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3902, 58.5264, 94.2826



49.3701, 59.4133, 103.4736



37.7797, 35.3054, 90.4124



16.5733, 17.9109, 21.1262



17.2619, 20.3175, 49.5499



1.6046, 1.9605, 4.3841

Inverse Universe

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



57.4447, 40.4907, 67.0776



59.5991, 38.3672, 68.5075



66.9976, 71.9470, 32.1874



17.0000, 16.6828, 19.7464



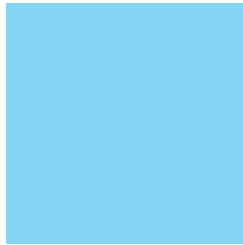
24.5175, 12.1504, 23.2313



2.1990, 1.0856, 2.2742

Previews

White Background



This preview shows how the XYZ color 49.3883, 58.5242, 94.2812 looks on a white background.

Color Contrast Check

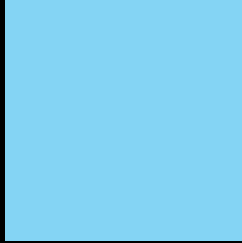
Large Text (above 18pt) WCAG AA × Fail

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 49.3883, 58.5242, 94.2812 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 49.3883, 58.5242, 94.2812

Background



This preview shows how black text looks on a background with the XYZ color 49.3883, 58.5242, 94.2812.



This preview shows how white text looks on a background with the XYZ color 49.3883, 58.5242,

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

49.3883, 58.5242, 94.2812

Protanopia

57.4111, 58.1825, 86.8017

Deuteranopia

59.2934, 57.9310, 96.0524



Tritanopia

47.3725, 58.4519, 84.3868

Trichromacy



Original Color

49.3883, 58.5242, 94.2812

Protanomaly

53.8201, 58.0167, 89.2506

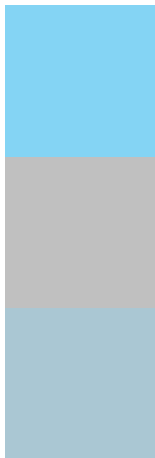
Deuteranomaly

54.9887, 57.7791, 95.4431

Tritanomaly

47.9878, 58.3118, 88.0829

Monochromacy



Original Color

49.3883, 58.5242, 94.2812

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.7589, 54.0960, 69.4997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3883, 58.5242, 94.2812 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(132, 212, 244)` looks like.

```
.text, #text, p{  
    color:rgb(132, 212, 244)  
}
```

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(132, 212, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 212, 244) }
```

Border

The CSS property to change the border of an element to XYZ 49.3883, 58.5242, 94.2812 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(132, 212, 244) }
```


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

```
.border{ border-color:rgb(132, 212, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 212, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 212, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 212, 244);  
box-shadow:4px 4px 4px 4px rgb(132, 212,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3883, 58.5242, 94.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 212, 244) }
```

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

```
.background{ background-color: rgb(132,  
212, 244) }
```

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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