

Converting Colors

XYZ(45.0743, 53.8552, 94.4576)

Have a look what the booklet for
XYZ(45.0743, 53.8552, 94.4576)
contains.

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Color

**XYZ(44.9948, 53.7000,
94.3799)**

Conversions

Conversions Part 1

Format	Color
Hex	70CDF5
RGB	112, 205, 245
RGB Percent	44%, 80%, 96%
CMY	0.5608, 0.1961, 0.0392
CMYK	0.54, 0.16, 0.00, 0.04
HSL	198°, 87%, 70%
HSV	198°, 54%, 96%
XYZ	44.9948, 53.7000, 94.3799
YIQ	181.7530, -68.2680, -7.2760

Conversions

Conversions Part 2

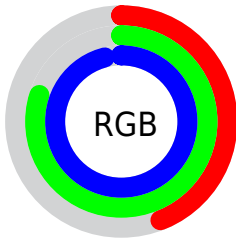
Format	Color
RYB	112, 167, 245
Decimal	7392757
CIELab	78.29, -16.72, -28.13
CIELCh	78, 32.727, 239.268
Yxy	53.7000, 0.2330, 0.2781
Android (android.graphics.Color)	4285582837 (0xFF70CDF5)
YUV	181.7530, 31.1808, -61.1734
Hunter-Lab	73.2803, -18.6398, -25.0652

Details

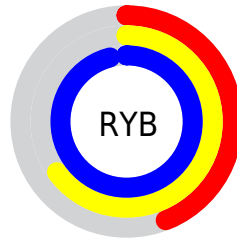
The XYZ color **44.9948, 53.7000, 94.3799** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.8104, 43.0404, 20.9078**, and the grayscale version is **44.1932, 46.4947, 50.6327**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **21.3341, 26.3652, 52.1087** is the 20% darker color. If you saturate the color by 10%, you get **40.5702, 48.8648, 93.6808**, and if you desaturate by 10%, it is **50.3538, 59.1423, 95.1489**.

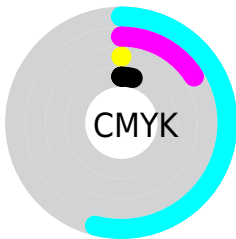
Distribution



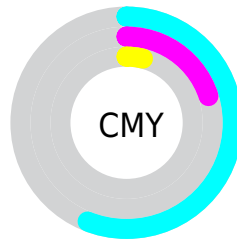
- Red (44%)
- Green (80%)
- Blue (96%)



- Red (44%)
- Yellow (65%)
- Blue (96%)



- Cyan (54%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



- Cyan (56%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9948, 53.7000, 94.3799 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 44.9948, 53.7000, 94.3799 by changing the saturation by 10% instead.

■ 44.9948, 53.7000,
94.3799

■ 44.9948, 53.7000,
94.3799

357.5365,
400.9650, 563.1114

■ 31.6546, 38.3619,
71.0249

■ 81.9497, 95.6336,
155.3958

■ 21.2521, 26.2637,
51.8806

■ 106.2951,
122.9979, 193.8939

■ 13.4219, 17.0210,
36.5283

■ 135.0397,
155.1397, 238.2767

■ 7.7987, 10.2495,
24.5496

168.5487,
192.4434, 288.9629

■ 4.0171, 5.5647,
15.5258

207.1875,
235.2933, 346.3709

■ 1.7118, 2.5822,
9.0386

251.3215,

■ 0.4637, 0.9177,

284.0740, 410.9193

4.6692

301.3161,
339.1698, 483.0266

■ 0.0000, 0.0000,
1.9992

■ 0.0000, 0.0000,
0.5548

■ 44.9948, 53.7000,
94.3799

■ 44.9948, 53.7000,
94.3799

■ 40.5702, 48.8648,
93.6808

■ 50.3538, 59.1423,
95.1489

■ 37.0031, 44.5921,
93.0441

■ 56.7058, 65.2203,
95.9873

■ 34.2122, 40.8394,
92.4669

■ 64.1102, 71.9674,
96.8994

■ 32.0961, 37.5527,
91.9440

■ 72.6204, 79.4126,
97.8879

■ 31.1047, 35.8387,
91.6654

■ 82.2858, 87.5829,
98.9555

■ 91.6633, 95.7360,
100.0350

■ 93.4816, 99.3727,
100.6411

Harmonies

Analogous

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



41.0218, 53.7000, 77.4895



44.9948, 53.7000, 94.3799



50.8828, 53.7000, 101.3657

Triad

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



44.9948, 53.7000, 94.3799



64.3891, 53.7000, 58.9227



45.2462, 53.7000, 32.7580

Complementary

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



44.9948, 53.7000, 94.3799



51.8104, 43.0404, 20.9078

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.



51.1980, 53.7000, 29.7908



44.9948, 53.7000, 94.3799



62.5699, 53.7000, 42.8493

Square

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



44.9948, 53.7000, 94.3799



62.3896, 53.7000, 78.4365



57.6043, 53.7000, 33.0658



41.1582, 53.7000, 42.2169

Rectangle

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



44.9948, 53.7000, 94.3799



55.2181, 53.7000, 98.5420



57.6043, 53.7000, 33.0658



47.0786, 53.7000, 31.0686

Sweetspot

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



44.9966, 53.7020, 94.3812



77.8097, 85.4857, 107.0071



44.9953, 71.0146, 41.0004



16.2308, 17.9298, 22.8553



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.



44.9966, 53.7020, 94.3812



44.0614, 53.0913, 102.5331



32.3399, 28.3888, 90.1623



16.5514, 17.8672, 21.1189



16.8836, 19.5610, 49.4238



1.5737, 1.8988, 4.3738

Inverse Universe

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



54.4713, 35.4102, 61.7236



55.8709, 32.8615, 61.2515



65.7574, 70.9343, 25.5568



16.9889, 16.6784, 19.6882



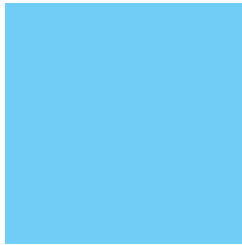
24.3266, 12.0741, 22.2259



2.1834, 1.0793, 2.1921

Previews

White Background



This preview shows how the XYZ color 44.9948, 53.7000, 94.3799 looks on a white background.

Color Contrast Check

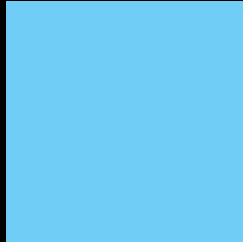
Large Text (above 18pt) WCAG AA × Fail

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 44.9948, 53.7000, 94.3799 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

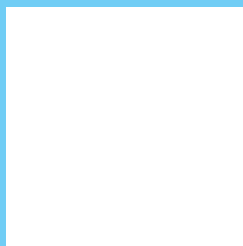
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.9948, 53.7000, 94.3799

Background



This preview shows how black text looks on a background with the XYZ color 44.9948, 53.7000, 94.3799.



This preview shows how white text looks on a background with the XYZ color 44.9948, 53.7000,

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

44.9948, 53.7000, 94.3799

Protanopia

53.1546, 53.3270, 86.0889

Deuteranopia

54.4323, 53.1176, 96.1908



Tritanopia

41.9722, 53.5513, 79.3584

Trichromacy



Original Color

44.9948, 53.7000, 94.3799

Protanomaly

49.2245, 52.8799, 89.2738

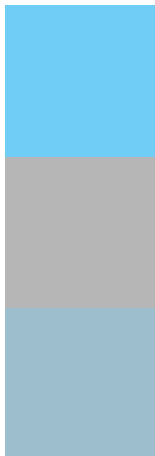
Deuteranomaly

50.2082, 52.9137, 95.5628

Tritanomaly

43.0627, 53.6400, 84.4278

Monochromacy



Original Color

44.9948, 53.7000, 94.3799

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.3375, 48.4028, 64.8161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9948, 53.7000, 94.3799 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(112, 205, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 205, 245)  
}
```

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(112, 205, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 205, 245) }
```

Border

The CSS property to change the border of an element to XYZ 44.9948, 53.7000, 94.3799 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(112, 205, 245) }
```


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

```
.border{ border-color:rgb(112, 205, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 205, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 205, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 205, 245);  
box-shadow:4px 4px 4px 4px rgb(112, 205,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9948, 53.7000, 94.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 205, 245) }
```

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

```
.background{ background-color: rgb(112,  
205, 245) }
```

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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