

Converting Colors

XYZ(46.3378, 52.4542, 99.7442)

Have a look what the booklet for
XYZ(46.3378, 52.4542, 99.7442)
contains.

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Color

**XYZ(46.3933, 52.5478,
99.7930)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC8FC
RGB	123, 200, 252
RGB Percent	48%, 78%, 99%
CMY	0.5176, 0.2157, 0.0118
CMYK	0.51, 0.21, 0.00, 0.01
HSL	204°, 96%, 74%
HSV	204°, 51%, 99%
XYZ	46.3933, 52.5478, 99.7930
YIQ	182.9050, -62.5840, -0.1520

Conversions

Conversions Part 2

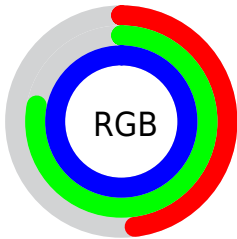
Format	Color
RYB	123, 171, 252
Decimal	8112380
CIELab	77.61, -9.80, -32.88
CIELCh	78, 34.310, 253.402
Yxy	52.5478, 0.2334, 0.2644
Android (android.graphics.Color)	4286302460 (0xFF7BC8FC)
YUV	182.9050, 34.0638, -52.5367
Hunter-Lab	72.4899, -12.6178, -30.8785

Details

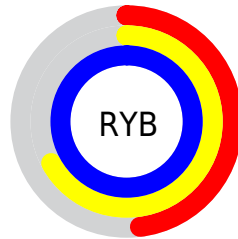
The XYZ color **46.3933, 52.5478, 99.7930** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.0515, 52.7872, 25.8173**, and the grayscale version is **44.8031, 47.1364, 51.3315**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **22.0537, 25.4900, 55.3875** is the 20% darker color. If you saturate the color by 10%, you get **40.9668, 46.3740, 98.8883**, and if you desaturate by 10%, it is **52.9073, 59.5163, 100.7957**.

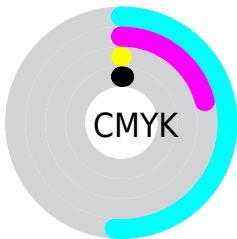
Distribution



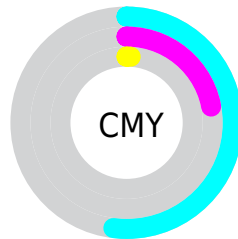
- Red (48%)
- Green (78%)
- Blue (99%)



- Red (48%)
- Yellow (67%)
- Blue (99%)



- Cyan (51%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)





- Cyan (52%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3933, 52.5478, 99.7930 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 46.3933, 52.5478, 99.7930 by changing the saturation by 10% instead.


 46.3933, 52.5478,
99.7930


 46.3933, 52.5478,
99.7930


363.0771,
396.5478, 580.7698


 32.7622, 37.4419,
75.5118


 84.0316, 93.9386,
162.9221

 22.1027, 25.5498,
55.5280


 108.7695,
120.9923, 202.6070

 14.0494, 16.4872,
39.4232


 137.9404,
152.7975, 248.2636

 8.2370, 9.8695,
26.7787


171.9096,
189.7384, 300.3103

 4.3000, 5.3125,
17.1761

211.0425,
232.1995, 359.1657

 1.8732, 2.4318,
10.1969

255.7045,

 0.5612, 0.8422,

280.5651, 425.2485

5.4224

306.2609,
335.2198, 498.9770

■ 0.0000, 0.0000,
2.4341

■ 0.0000, 0.0000,
0.8049

■ 46.3933, 52.5478,
99.7930

■ 46.3933, 52.5478,
99.7930

■ 40.9668, 46.3740,
98.8883

■ 52.9073, 59.5163,
100.7957

■ 36.5468, 40.9457,
98.0735

■ 60.5715, 67.3132,
101.8967

■ 33.0485, 36.2154,
97.3449

■ 69.4495, 75.9764,
103.1010

■ 30.3683, 32.1252,
96.6966

■ 79.5988, 85.5398,
104.4120

■ 28.5443, 28.9753,
96.1848

■ 91.0728, 96.0349,
105.8330

■ 94.5709, 99.8083,
106.3770

Harmonies

Analogous

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



41.2482, 52.5478, 86.1291



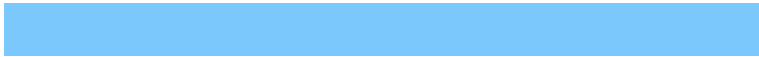
46.3933, 52.5478, 99.7930



52.9569, 52.5478, 100.5580

Triad

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



46.3933, 52.5478, 99.7930



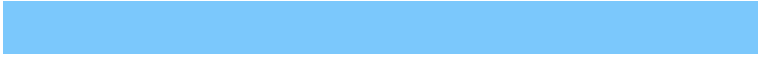
63.3928, 52.5478, 49.1677



41.6920, 52.5478, 34.5881

Complementary

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



46.3933, 52.5478, 99.7930



59.0515, 52.7872, 25.8173

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.



47.0497, 52.5478, 28.5541



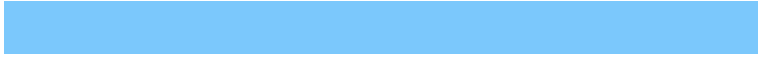
46.3933, 52.5478, 99.7930



59.7858, 52.5478, 35.6270

Square

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



46.3933, 52.5478, 99.7930



63.1774, 52.5478, 68.2846



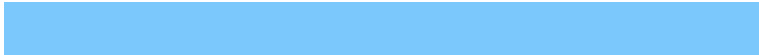
53.6737, 52.5478, 28.8867



38.7028, 52.5478, 47.4125

Rectangle

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



46.3933, 52.5478, 99.7930



57.2928, 52.5478, 93.4042



53.6737, 52.5478, 28.8867



43.2541, 52.5478, 31.8395

Sweetspot

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



46.3951, 52.5497, 99.7943



77.6280, 84.0075, 106.7314



50.6789, 76.9125, 52.5283



16.1442, 17.5370, 22.7840



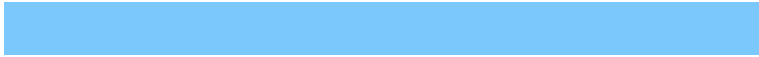
0.0000, 0.0000, 0.0000



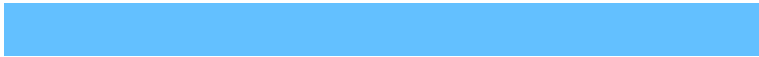
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3951, 52.5497, 99.7943



42.1600, 47.7283, 101.5982



34.5308, 28.8213, 95.8395



17.1447, 18.3662, 22.0267



15.0173, 15.3901, 50.1526



1.4948, 1.6332, 4.6796

Inverse Universe

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



57.6547, 39.0332, 59.1410



55.2921, 34.0882, 53.7079



74.6171, 83.9184, 31.0058



17.6796, 17.3992, 20.1683



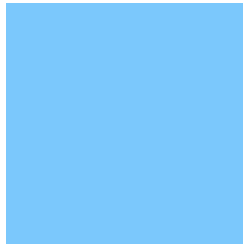
23.8721, 11.9645, 16.5665



2.2634, 1.1291, 1.8105

Previews

White Background



This preview shows how the XYZ color 46.3933, 52.5478, 99.7930 looks on a white background.

Color Contrast Check

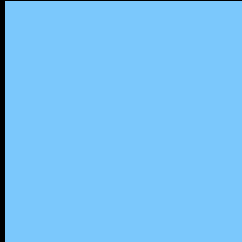
Large Text (above 18pt) WCAG AA × Fail

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 46.3933, 52.5478, 99.7930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

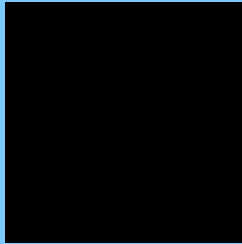
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

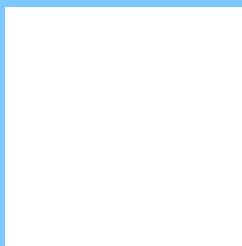
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3933, 52.5478, 99.7930

Background



This preview shows how black text looks on a background with the XYZ color 46.3933, 52.5478, 99.7930.

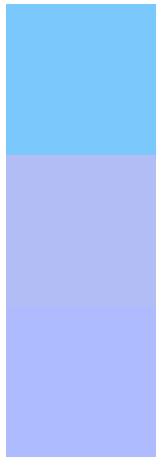


This preview shows how white text looks on a background with the XYZ color 46.3933, 52.5478,

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

46.3933, 52.5478, 99.7930

Protanopia

52.6582, 52.2740, 92.9024

Deuteranopia

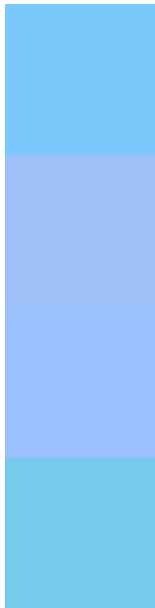
53.4888, 52.1851, 101.8613



Tritanopia

41.8262, 52.4473, 77.0261

Trichromacy



Original Color

46.3933, 52.5478, 99.7930

Protanomaly

49.7631, 52.0234, 95.4144

Deuteranomaly

50.2566, 51.8236, 101.1201

Tritanomaly

43.4000, 52.3770, 84.9131

Monochromacy



Original Color

46.3933, 52.5478, 99.7930

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.2807, 48.5263, 66.7072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3933, 52.5478, 99.7930 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(123, 200, 252)` looks like.

```
.text, #text, p{  
    color:rgb(123, 200, 252)  
}
```

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(123, 200, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 200, 252) }
```

Border

The CSS property to change the border of an element to XYZ 46.3933, 52.5478, 99.7930 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(123, 200, 252) }
```


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

```
.border{ border-color:rgb(123, 200, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 200, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 200, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 200, 252);  
box-shadow:4px 4px 4px 4px rgb(123, 200,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3933, 52.5478, 99.7930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 200, 252) }
```

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

```
.background{ background-color: rgb(123,  
200, 252) }
```

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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