

Converting Colors

XYZ(47.1195, 52.5390, 77.6459)

Have a look what the booklet for
XYZ(47.1195, 52.5390, 77.6459)
contains.

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Color

**XYZ(46.9958, 52.3281,
77.4354)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC5DF
RGB	156, 197, 223
RGB Percent	61%, 77%, 87%
CMY	0.3882, 0.2274, 0.1255
CMYK	0.30, 0.12, 0.00, 0.13
HSL	203°, 51%, 74%
HSV	203°, 30%, 87%
XYZ	46.9958, 52.3281, 77.4354
YIQ	187.7050, -32.7820, -0.6060

Conversions

Conversions Part 2

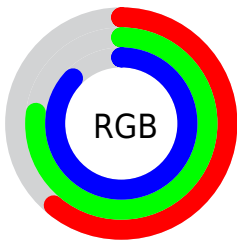
Format	Color
R _Y B	156, 181, 223
Decimal	10274271
CIE Lab	77.48, -7.54, -17.35
CIE LCh	77, 18.922, 246.515
Yxy	52.3281, 0.2659, 0.2960
Android (android.graphics.Color)	4288464351 (0xFF9CC5DF)
YUV	187.7050, 17.4004, -27.8053
Hunter-Lab	72.3382, -10.6260, -12.8311

Details

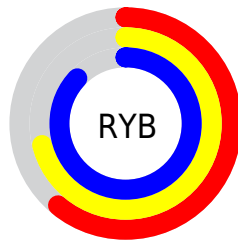
The XYZ color **46.9958, 52.3281, 77.4354** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.1608, 51.5447, 38.6010**, and the grayscale version is **47.5517, 50.0281, 54.4806**.

A 20% lighter version of the original color is **80.6432, 92.1007, 108.1346**, and **22.4839, 25.3556, 40.7549** is the 20% darker color. If you saturate the color by 10%, you get **41.1619, 46.4881, 76.6165**, and if you desaturate by 10%, it is **53.7380, 58.8062, 78.3313**.

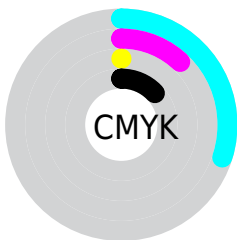
Distribution



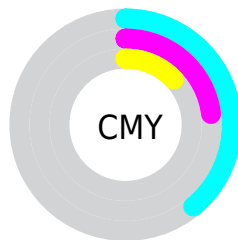
- Red (61%)
- Green (77%)
- Blue (87%)



- Red (61%)
- Yellow (71%)
- Blue (87%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (39%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9958, 52.3281, 77.4354 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 46.9958, 52.3281, 77.4354 by changing the saturation by 10% instead.

■ 46.9958, 52.3281,
77.4354

■ 46.9958, 52.3281,
77.4354

365.4470,
395.7020, 505.7243

■ 33.2403, 37.2667,
57.0966

■ 84.9261, 93.6149,
131.5325

■ 22.4707, 25.4140,
40.6729

■ 109.8316,
120.6091, 166.1279

■ 14.3217, 16.3858,
27.7458

139.1845,
152.3497, 206.3126

■ 8.4279, 9.7976,
17.8968

173.3501,
189.2210, 252.5052

■ 4.4241, 5.2649,
10.7072

212.6938,
231.6075, 305.1240

■ 1.9447, 2.4035,
5.7586

257.5810,

■ 0.6026, 0.8277,

279.8936, 364.5878

2.6325

308.3769,
334.4636, 431.3151

■ 0.0000, 0.0000,
0.9092

■ 0.0000, 0.0000,
0.0000

■ 46.9958, 52.3281,
77.4354

■ 46.9958, 52.3281,
77.4354

■ 41.1619, 46.4881,
76.6165

■ 53.7380, 58.8062,
78.3313

■ 36.1860, 41.2539,
75.8685

■ 61.4254, 65.9406,
79.3032

■ 32.0204, 36.5992,
75.1896

■ 70.0989, 73.7561,
80.3546

■ 28.6100, 32.4927,
74.5767

■ 79.7954, 82.2744,
81.4878

■ 25.8922, 28.8992,
74.0263

■ 85.7990, 89.0668,
82.4824

■ 23.7931, 25.7773,
73.5344

■ 88.4113, 94.2914,
83.3532

■ 22.1899, 23.0686,
73.0961

■ 90.3194, 98.1078,
83.9892

Harmonies

Analogous

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



44.3145, 52.3281, 69.7714



46.9958, 52.3281, 77.4354



50.5356, 52.3281, 79.3313

Triad

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



46.9958, 52.3281, 77.4354



57.0282, 52.3281, 54.7295



45.6822, 52.3281, 42.3216

Complementary

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



46.9958, 52.3281, 77.4354



53.1608, 51.5447, 38.6010

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.



48.9454, 52.3281, 39.2732



46.9958, 52.3281, 77.4354



55.5832, 52.3281, 45.8499

Square

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



46.9958, 52.3281, 77.4354



56.4439, 52.3281, 65.3537



52.5813, 52.3281, 40.4814



43.5823, 52.3281, 49.3474

Rectangle

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



46.9958, 52.3281, 77.4354



52.9306, 52.3281, 76.8864



52.5813, 52.3281, 40.4814



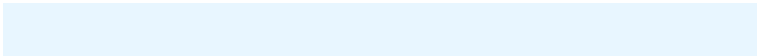
46.6731, 52.3281, 40.8395

Sweetspot

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



46.9974, 52.3302, 77.4366



84.3295, 90.3533, 107.6030



48.5099, 63.2086, 53.7296



17.7014, 19.0210, 22.9884



0.0000, 0.0000, 0.0000



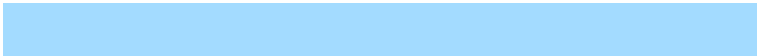
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9974, 52.3302, 77.4366



58.6256, 65.8885, 104.2356



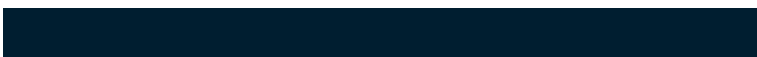
40.2735, 38.8823, 75.1953



13.6467, 14.6326, 17.4928



13.1599, 13.7894, 43.0164



0.9983, 1.1281, 3.0104

Inverse Universe

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



52.3992, 43.4975, 58.4597



67.2088, 52.6599, 73.9015



60.7803, 66.7836, 41.1409



14.0579, 13.8408, 16.0751



20.5827, 10.3001, 15.0003



1.4702, 0.7313, 1.2687

Previews

White Background



This preview shows how the XYZ color 46.9958, 52.3281, 77.4354 looks on a white background.

Color Contrast Check

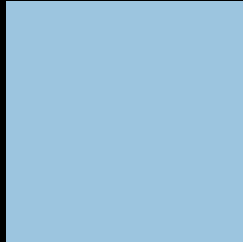
Large Text (above 18pt) WCAG AA × Fail

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 46.9958, 52.3281, 77.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

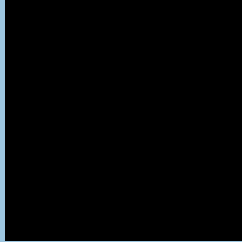
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9958, 52.3281, 77.4354

Background



This preview shows how black text looks on a background with the XYZ color 46.9958, 52.3281, 77.4354.



This preview shows how white text looks on a background with the XYZ color 46.9958, 52.3281,

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

46.9958, 52.3281, 77.4354

Protanopia

51.1022, 51.8963, 73.6533

Deuteranopia

53.1418, 51.8915, 78.4493



Tritanopia

45.6581, 52.1132, 71.2707

Trichromacy



Original Color

46.9958, 52.3281, 77.4354

Protanomaly

49.4471, 51.9805, 75.1373

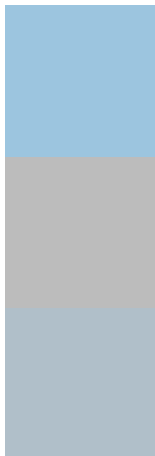
Deuteranomaly

50.6904, 51.9120, 77.8694

Tritanomaly

46.2360, 52.3665, 73.3165

Monochromacy



Original Color

46.9958, 52.3281, 77.4354

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.0779, 50.7088, 62.5648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9958, 52.3281, 77.4354 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(156, 197, 223)` looks like.

```
.text, #text, p{  
    color:rgb(156, 197, 223)  
}
```

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(156, 197, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 197, 223) }
```

Border

The CSS property to change the border of an element to XYZ 46.9958, 52.3281, 77.4354 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(156, 197, 223) }
```


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

```
.border{ border-color:rgb(156, 197, 223) }
```

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

Here you see how a box with a 4 pixel rgb(156, 197, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 197, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 197, 223);  
box-shadow:4px 4px 4px 4px rgb(156, 197,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9958, 52.3281, 77.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 197, 223) }
```

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

```
.background{ background-color: rgb(156,  
197, 223) }
```

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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