

Converting Colors

XYZ(46.9429, 50.7814, 74.0719)

Have a look what the booklet for
XYZ(46.9429, 50.7814, 74.0719)
contains.

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Color

**XYZ(46.9457, 50.7063,
74.3308)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C0DB
RGB	164, 192, 219
RGB Percent	64%, 75%, 86%
CMY	0.3569, 0.2470, 0.1412
CMYK	0.25, 0.12, 0.00, 0.14
HSL	209°, 43%, 75%
HSV	209°, 25%, 86%
XYZ	46.9457, 50.7063, 74.3308
YIQ	186.7060, -25.3550, 2.4610

Conversions

Conversions Part 2

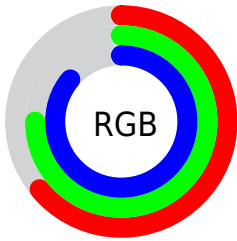
Format	Color
RYB	164, 183, 219
Decimal	10797275
CIELab	76.50, -3.47, -16.62
CIElCh	77, 16.978, 258.190
Yxy	50.7063, 0.2730, 0.2948
Android (android.graphics.Color)	4288987355 (0xFFA4C0DB)
YUV	186.7060, 15.9209, -19.9132
Hunter-Lab	71.2084, -6.9345, -12.0440

Details

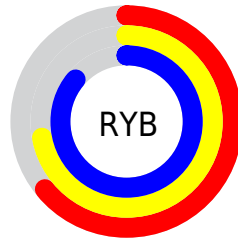
The XYZ color **46.9457, 50.7063, 74.3308** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.5457, 55.0023, 42.8649**, and the grayscale version is **46.9932, 49.4405, 53.8407**.

A 20% lighter version of the original color is **81.1326, 89.5704, 107.6204**, and **22.4890, 24.5251, 38.6705** is the 20% darker color. If you saturate the color by 10%, you get **40.5348, 44.0254, 73.3800**, and if you desaturate by 10%, it is **54.3104, 58.1373, 75.3778**.

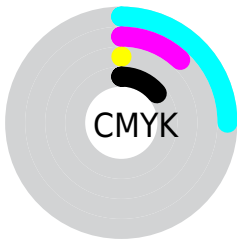
Distribution



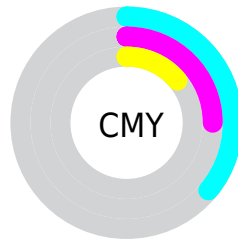
- Red (64%)
- Green (75%)
- Blue (86%)



- Red (64%)
- Yellow (72%)
- Blue (86%)



- Cyan (25%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)



- Cyan (36%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9457, 50.7063, 74.3308 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 46.9457, 50.7063, 74.3308 by changing the saturation by 10% instead.

■ 46.9457, 50.7063,
74.3308

■ 46.9457, 50.7063,
74.3308

365.2503,
389.4216, 494.8082

■ 33.2005, 35.9749,
54.5664

■ 84.8518, 91.2205,
127.1030

■ 22.4401, 24.4148,
38.6584

■ 109.7434,
117.7721, 160.9479

■ 14.2990, 15.6416,
26.1883

139.0812,
149.0325, 200.3233

■ 8.4120, 9.2709,
16.7375

173.2305,
185.3863, 245.6479

■ 4.4137, 4.9183,
9.8876

212.5567,
227.2176, 297.3401

■ 1.9387, 2.1994,
5.2198

257.4252,

■ 0.5992, 0.7197,

274.9111, 355.8186

2.3158

308.2013,
328.8509, 421.5017

■ 0.0000, 0.0000,
0.7401

■ 0.0000, 0.0000,
0.0000

■ 46.9457, 50.7063,
74.3308

■ 46.9457, 50.7063,
74.3308

■ 40.5348, 44.0254,
73.3800

■ 54.3104, 58.1373,
75.3778

■ 35.0295, 38.0607,
72.5189

■ 62.6647, 66.3385,
76.5205

■ 30.3841, 32.7842,
71.7452

■ 72.0484, 75.3367,
77.7627

■ 26.5468, 28.1634,
71.0556

■ 82.4974, 85.1553,
79.1072

■ 23.4596, 24.1624,
70.4460

■ 86.9076, 92.1371,
80.2224

■ 21.0553, 20.7403,
69.9122

■ 89.7863, 97.8945,
81.1819

■ 19.2529, 17.8487,
69.4490

■ 18.5254, 16.5927,
69.2450

Harmonies

Analogous

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



44.2058, 50.7063, 69.4236



46.9457, 50.7063, 74.3308



50.1425, 50.7063, 73.7132

Triad

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



46.9457, 50.7063, 74.3308



54.2837, 50.7063, 49.8870



43.7499, 50.7063, 44.2701

Complementary

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



46.9457, 50.7063, 74.3308



54.5457, 55.0023, 42.8649

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.



46.2983, 50.7063, 40.0962



46.9457, 50.7063, 74.3308



52.4169, 50.7063, 43.0832

Square

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



46.9457, 50.7063, 74.3308



54.4760, 50.7063, 58.8985



49.4659, 50.7063, 39.6872



42.4161, 50.7063, 51.6799

Rectangle

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



46.9457, 50.7063, 74.3308



52.1025, 50.7063, 70.2610



49.4659, 50.7063, 39.6872



44.4876, 50.7063, 42.4792

Sweetspot

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



46.9473, 50.7083, 74.3320



84.8272, 90.1106, 107.5300



50.0006, 62.2998, 58.4411



17.7676, 18.9068, 22.9629



0.0000, 0.0000, 0.0000



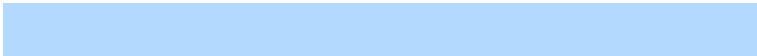
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9473, 50.7083, 74.3320



61.4536, 66.6013, 104.2241



41.5374, 39.8886, 72.5287



12.8840, 13.7077, 16.6189



11.0946, 10.0586, 41.0951



0.8049, 0.8240, 2.6911

Inverse Universe

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



52.0046, 45.4181, 55.8971



69.8428, 58.3332, 73.5300



61.0082, 67.9274, 45.0191



13.3313, 13.1616, 15.0059



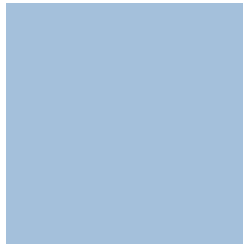
19.0954, 9.6392, 10.1481



1.2806, 0.6419, 0.8865

Previews

White Background



This preview shows how the XYZ color 46.9457, 50.7063, 74.3308 looks on a white background.

Color Contrast Check

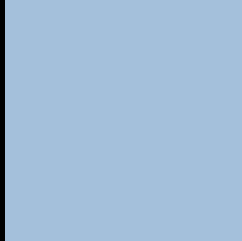
Large Text (above 18pt) WCAG AA × Fail

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 46.9457, 50.7063, 74.3308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

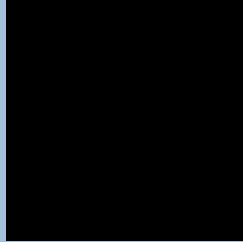
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

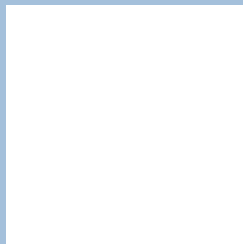
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9457, 50.7063, 74.3308

Background



This preview shows how black text looks on a background with the XYZ color 46.9457, 50.7063, 74.3308.



This preview shows how white text looks on a background with the XYZ color 46.9457, 50.7063,

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

46.9457, 50.7063, 74.3308

Protanopia

49.6934, 50.5658, 72.1068

Deuteranopia

51.6775, 50.5778, 75.4454



Tritanopia

45.7007, 50.8684, 67.7315

Trichromacy



Original Color

46.9457, 50.7063, 74.3308

Protanomaly

48.6265, 50.6351, 72.8563

Deuteranomaly

49.7446, 50.5317, 74.8419

Tritanomaly

46.1845, 50.7306, 70.3086

Monochromacy



Original Color

46.9457, 50.7063, 74.3308

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0968, 50.1024, 61.2213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9457, 50.7063, 74.3308 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, 192, 219)` looks like.

```
.text, #text, p{  
    color:rgb(164, 192, 219)  
}
```

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, 192, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 192, 219) }
```

Border

The CSS property to change the border of an element to XYZ 46.9457, 50.7063, 74.3308 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, 192, 219) }
```


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

```
.border{ border-color:rgb(164, 192, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 192, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 192, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 192, 219);  
box-shadow:4px 4px 4px 4px rgb(164, 192,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9457, 50.7063, 74.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 192, 219) }
```

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

```
.background{ background-color: rgb(164,  
192, 219) }
```

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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