

Converting Colors

XYZ(48.4267, 54.2542, 70.9058)

Have a look what the booklet for
XYZ(48.4267, 54.2542, 70.9058)
contains.

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Color

**XYZ(48.3904, 54.2196,
70.8658)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C8D5
RGB	166, 200, 213
RGB Percent	65%, 78%, 84%
CMY	0.3490, 0.2157, 0.1647
CMYK	0.22, 0.06, 0.00, 0.16
HSL	197°, 36%, 74%
HSV	197°, 22%, 84%
XYZ	48.3904, 54.2196, 70.8658
YIQ	191.3160, -24.4370, -3.1650

Conversions

Conversions Part 2

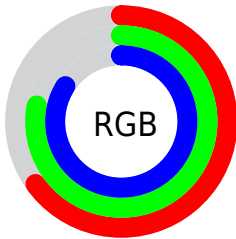
Format	Color
RYB	166, 186, 213
Decimal	10930389
CIELab	78.59, -8.47, -10.24
CIELCh	79, 13.284, 230.413
Yxy	54.2196, 0.2789, 0.3125
Android (android.graphics.Color)	4289120469 (0xFFA6C8D5)
YUV	191.3160, 10.6902, -22.2021
Hunter-Lab	73.6340, -11.5537, -5.5173

Details

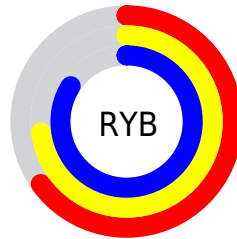
The XYZ color **48.3904, 54.2196, 70.8658** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4442, 49.1398, 42.9038**, and the grayscale version is **49.6559, 52.2419, 56.8914**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **23.2605, 26.5371, 36.2440** is the 20% darker color. If you saturate the color by 10%, you get **42.9521, 49.4310, 70.2290**, and if you desaturate by 10%, it is **54.6240, 59.4990, 71.5572**.

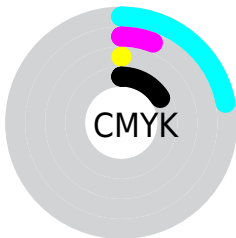
Distribution



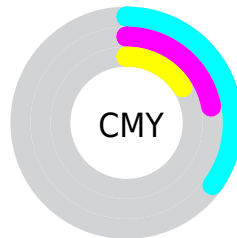
- Red (65%)
- Green (78%)
- Blue (84%)



- Red (65%)
- Yellow (73%)
- Blue (84%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (35%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3904, 54.2196, 70.8658 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 48.3904, 54.2196, 70.8658 by changing the saturation by 10% instead.

■ 48.3904, 54.2196,
70.8658

■ 48.3904, 54.2196,
70.8658

370.8944,
402.9469, 482.4552

■ 34.3487, 38.7773,
51.7515

■ 86.9916, 96.3966,
122.1353

■ 23.3258, 26.5865,
36.4262

■ 112.2817,
123.9001, 155.1276

■ 14.9562, 17.2629,
24.4712

142.0521,
156.1927, 193.5830

■ 8.8748, 10.4221,
15.4681

176.6680,
193.6588, 237.9200

■ 4.7161, 5.6797,
8.9983

216.4949,
236.6829, 288.5572

■ 2.1147, 2.6513,
4.6433

261.8980,

■ 0.6972, 0.9525,

285.6494, 345.9131

1.9845

313.2427,
340.9425, 410.4062

■ 0.0000, 0.0000,
0.5457

■ 0.0000, 0.0000,
0.0000

■ 48.3904, 54.2196,
70.8658

■ 48.3904, 54.2196,
70.8658

■ 42.9521, 49.4310,
70.2290

■ 54.6240, 59.4990,
71.5572

■ 38.2673, 45.1066,
69.6412

■ 61.6824, 65.2811,
72.3012

■ 34.2976, 41.2271,
69.1017

■ 69.5997, 71.5857,
73.1008

■ 30.9989, 37.7690,
68.6080

■ 78.4064, 78.4294,
73.9576

■ 28.3223, 34.7060,
68.1579

■ 81.3962, 82.3557,
74.5579

■ 26.2113, 32.0082,
67.7484

■ 83.0582, 85.6797,
75.1119

■ 24.5985, 29.6398,
67.3763

■ 84.7761, 89.1154,
75.6845

■ 23.5819, 27.9472,
67.1032

■ 86.5503, 92.6640,
76.2760

■ 88.3815, 96.3264,
76.8864

Harmonies

Analogous

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



46.9560, 54.2196, 64.2117



48.3904, 54.2196, 70.8658



50.6997, 54.2196, 74.4333

Triad

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



48.3904, 54.2196, 70.8658



56.6621, 54.2196, 61.4712



49.7971, 54.2196, 46.5218

Complementary

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



48.3904, 54.2196, 70.8658



50.4442, 49.1398, 42.9038

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.



52.3776, 54.2196, 45.9234



48.3904, 54.2196, 70.8658



56.4005, 54.2196, 54.1460

Square

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



48.3904, 54.2196, 70.8658



55.5143, 54.2196, 68.7142



54.8111, 54.2196, 48.6018



47.7489, 54.2196, 50.3120

Rectangle

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



48.3904, 54.2196, 70.8658



52.4499, 54.2196, 74.3912



54.8111, 54.2196, 48.6018



50.6290, 54.2196, 45.9539

Sweetspot

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



48.3920, 54.2218, 70.8670



87.2305, 93.6611, 108.0886



47.6108, 58.9324, 51.2677



18.5330, 19.9342, 23.1208



0.0000, 0.0000, 0.0000



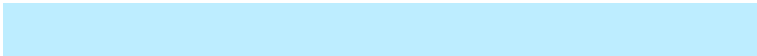
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3920, 54.2218, 70.8670



69.1492, 78.3750, 106.0911



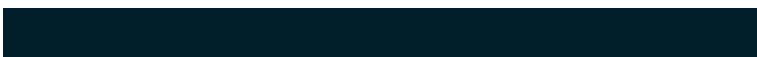
43.4528, 44.3434, 69.2206



12.4884, 13.5001, 15.8851



14.4942, 17.2503, 41.0189



0.9420, 1.1760, 2.4966

Inverse Universe

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



51.5034, 45.5900, 60.7312



74.6103, 63.6211, 88.2120



55.4529, 59.1571, 44.5734



12.7997, 12.5714, 14.8854



20.3749, 10.0863, 19.8100



1.2631, 0.6220, 1.3749

Previews

White Background



This preview shows how the XYZ color 48.3904, 54.2196, 70.8658 looks on a white background.

Color Contrast Check

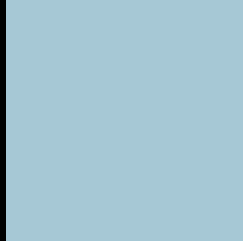
Large Text (above 18pt) WCAG AA × Fail

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 48.3904, 54.2196, 70.8658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

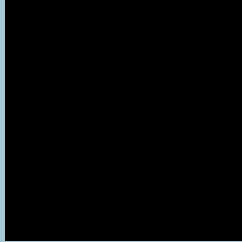
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3904, 54.2196, 70.8658

Background



This preview shows how black text looks on a background with the XYZ color 48.3904, 54.2196, 70.8658.



This preview shows how white text looks on a background with the XYZ color 48.3904, 54.2196,

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

48.3904, 54.2196, 70.8658

Protanopia

52.5709, 54.0808, 67.9895

Deuteranopia

55.0919, 53.9980, 71.8090



Tritanopia

48.9853, 54.4819, 72.9000

Trichromacy



Original Color

48.3904, 54.2196, 70.8658

Protanomaly

50.9012, 54.2003, 68.7517

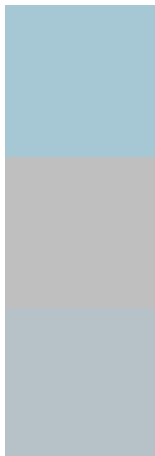
Deuteranomaly

52.4428, 53.9421, 71.2662

Tritanomaly

48.8564, 54.4303, 72.2211

Monochromacy



Original Color

48.3904, 54.2196, 70.8658

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.8920, 52.6522, 61.6188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3904, 54.2196, 70.8658 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(166, 200, 213)` looks like.

```
.text, #text, p{  
    color:rgb(166, 200, 213)  
}
```

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(166, 200, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 200, 213) }
```

Border

The CSS property to change the border of an element to XYZ 48.3904, 54.2196, 70.8658 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(166, 200, 213) }
```


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

```
.border{ border-color:rgb(166, 200, 213) }
```

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

Here you see how a box with a 4 pixel rgb(166, 200, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 200, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 200, 213);  
box-shadow:4px 4px 4px 4px rgb(166, 200,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3904, 54.2196, 70.8658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 200, 213) }
```

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

```
.background{ background-color: rgb(166,  
200, 213) }
```

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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