

Converting Colors

XYZ(48.7284, 55.6435, 74.5042)

Have a look what the booklet for
XYZ(48.7284, 55.6435, 74.5042)
contains.

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Color

**XYZ(48.7450, 55.7213,
74.5158)**

Conversions

Conversions Part 1

Format	Color
Hex	A0CCDA
RGB	160, 204, 218
RGB Percent	63%, 80%, 85%
CMY	0.3725, 0.2000, 0.1451
CMYK	0.27, 0.06, 0.00, 0.15
HSL	194°, 44%, 74%
HSV	194°, 27%, 85%
XYZ	48.7450, 55.7213, 74.5158
YIQ	192.4400, -30.7180, -4.9740

Conversions

Conversions Part 2

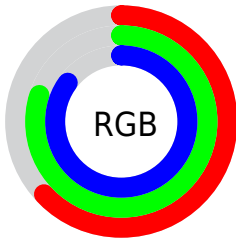
Format	Color
RYB	160, 185, 218
Decimal	10538202
CIELab	79.45, -11.22, -11.67
CIElCh	79, 16.191, 226.124
Yxy	55.7213, 0.2723, 0.3113
Android (android.graphics.Color)	4288728282 (0xFFA0CCDA)
YUV	192.4400, 12.6011, -28.4499
Hunter-Lab	74.6467, -14.0695, -6.9333

Details

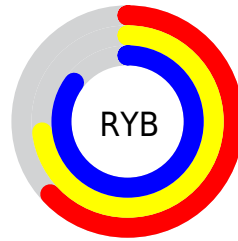
The XYZ color **48.7450, 55.7213, 74.5158** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.3954, 47.7160, 39.8130**, and the grayscale version is **50.3029, 52.9226, 57.6327**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **23.5806, 27.5828, 38.7315** is the 20% darker color. If you saturate the color by 10%, you get **43.5342, 51.2112, 73.9208**, and if you desaturate by 10%, it is **54.7656, 60.7143, 75.1632**.

Distribution



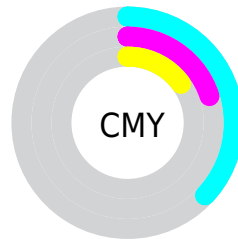
- Red (63%)
- Green (80%)
- Blue (85%)



- Red (63%)
- Yellow (73%)
- Blue (85%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (37%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7450, 55.7213, 74.5158 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 48.7450, 55.7213, 74.5158 by changing the saturation by 10% instead.

■ 48.7450, 55.7213,
74.5158

■ 48.7450, 55.7213,
74.5158

372.2712,
408.6403, 495.4626

■ 34.6309, 39.9795,
54.7170

■ 87.5156, 98.5970,
127.3675

■ 23.5439, 27.5226,
38.7781

■ 112.9029,
126.4996, 161.2575

■ 15.1185, 17.9661,
26.2806

142.7786,
159.2247, 200.6815

■ 8.9895, 10.9256,
16.8061

177.5081,
197.1567, 246.0583

■ 4.7914, 6.0169,
9.9358

217.4567,
240.6798, 297.8062

■ 2.1589, 2.8553,
5.2514

262.9899,

■ 0.7209, 1.0567,

290.1785, 356.3439

2.3342

314.4729,
346.0372, 422.0898

■ 0.0000, 0.0000,
0.7503

■ 0.0000, 0.0000,
0.0000

■ 48.7450, 55.7213,
74.5158

■ 48.7450, 55.7213,
74.5158

■ 43.5342, 51.2112,
73.9208

■ 54.7656, 60.7143,
75.1632

■ 39.0878, 47.1559,
73.3724

■ 61.6283, 66.2035,
75.8610

■ 35.3635, 43.5343,
72.8697

■ 69.3698, 72.2095,
76.6122

■ 32.3128, 40.3209,
72.4102

■ 78.0231, 78.7501,
77.4186

■ 29.8807, 37.4865,
71.9913

■ 82.2783, 83.0885,
78.0317

■ 28.0032, 34.9977,
71.6099

■ 83.7673, 86.0665,
78.5281

■ 26.5986, 32.8115,
71.2619

■ 85.3009, 89.1336,
79.0392

■ 26.1804, 32.1128,
71.1491

■ 86.8794, 92.2907,
79.5654

■ 88.5033, 95.5385,
80.1067

Harmonies

Analogous

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



47.1792, 55.7213, 65.7811



48.7450, 55.7213, 74.5158



51.4761, 55.7213, 79.7681

Triad

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



48.7450, 55.7213, 74.5158



59.2662, 55.7213, 65.0675



51.2439, 55.7213, 45.0435

Complementary

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



48.7450, 55.7213, 74.5158



50.3954, 47.7160, 39.8130

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.



54.4751, 55.7213, 44.8946



48.7450, 55.7213, 74.5158



59.1978, 55.7213, 55.8327

Square

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



48.7450, 55.7213, 74.5158



57.5975, 55.7213, 73.9475



57.4142, 55.7213, 48.6570



48.5810, 55.7213, 49.0871

Rectangle

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



48.7450, 55.7213, 74.5158



53.6313, 55.7213, 80.2737



57.4142, 55.7213, 48.6570



52.2972, 55.7213, 44.5515

Sweetspot

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



48.7467, 55.7235, 74.5171



86.3885, 93.2330, 108.0504



47.1643, 60.6553, 49.0294



18.1616, 19.6948, 23.0942



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.



48.7467, 55.7235, 74.5171



65.1684, 75.7423, 105.7927



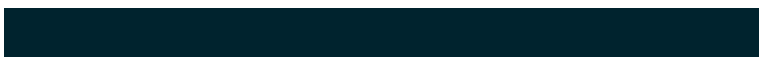
42.5743, 43.3788, 72.4596



13.1648, 14.2693, 16.7125



15.7722, 19.4138, 42.6544



1.0870, 1.3881, 2.7851

Inverse Universe

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



52.3847, 44.4081, 62.9399



71.3001, 57.3167, 86.1350



56.5056, 59.9364, 41.8498



13.4730, 13.2183, 15.7522



21.4564, 10.5836, 22.5812



1.4230, 0.6988, 1.6362

Previews

White Background



This preview shows how the XYZ color 48.7450, 55.7213, 74.5158 looks on a white background.

Color Contrast Check

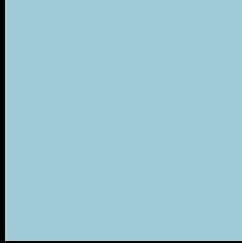
Large Text (above 18pt) WCAG AA × Fail

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 48.7450, 55.7213, 74.5158 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 48.7450, 55.7213, 74.5158

Background



This preview shows how black text looks on a background with the XYZ color 48.7450, 55.7213, 74.5158.



This preview shows how white text looks on a background with the XYZ color 48.7450, 55.7213,

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

48.7450, 55.7213, 74.5158

Protanopia

53.9044, 55.3858, 70.1368

Deuteranopia

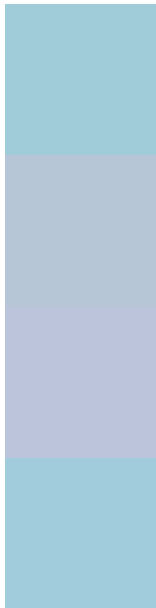
56.5838, 55.3194, 76.1020



Tritanopia

49.0083, 55.8266, 75.9027

Trichromacy



Original Color

48.7450, 55.7213, 74.5158

Protanomaly

51.6231, 55.1883, 71.5499

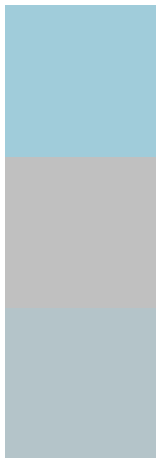
Deuteranomaly

53.3972, 55.3385, 75.5772

Tritanomaly

48.8763, 55.7738, 75.2072

Monochromacy



Original Color

48.7450, 55.7213, 74.5158

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.1049, 53.4002, 62.9775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7450, 55.7213, 74.5158 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(160, 204, 218)` looks like.

```
.text, #text, p{  
    color:rgb(160, 204, 218)  
}
```

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(160, 204, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 204, 218) }
```

Border

The CSS property to change the border of an element to XYZ 48.7450, 55.7213, 74.5158 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(160, 204, 218) }
```


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

```
.border{ border-color:rgb(160, 204, 218) }
```

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

Here you see how a box with a 4 pixel rgb(160, 204, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 204, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 204, 218);  
box-shadow:4px 4px 4px 4px rgb(160, 204,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7450, 55.7213, 74.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 204, 218) }
```

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

```
.background{ background-color: rgb(160,  
204, 218) }
```

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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