

Converting Colors

XYZ(41.4762, 52.0338, 71.4758)

Have a look what the booklet for
XYZ(41.4762, 52.0338, 71.4758)
contains.

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Color

**XYZ(41.4762, 52.0338,
71.4758)**

Conversions

Conversions Part 1

Format	Color
Hex	78CCD6
RGB	120, 204, 214
RGB Percent	47%, 80%, 84%
CMY	0.5294, 0.2000, 0.1608
CMYK	0.44, 0.05, 0.00, 0.16
HSL	186°, 53%, 65%
HSV	186°, 44%, 84%
XYZ	41.4762, 52.0338, 71.4758
YIQ	180.0240, -53.2740, -14.6980

Conversions

Conversions Part 2

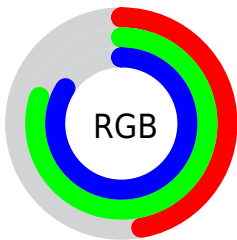
Format	Color
R _Y B	120, 164, 214
Decimal	7916758
CIE Lab	77.30, -22.91, -12.95
CIE LCh	77, 26.320, 209.485
Yxy	52.0338, 0.2514, 0.3154
Android (android.graphics.Color)	4286106838 (0xFF78CCD6)
YUV	180.0240, 16.7502, -52.6410
Hunter-Lab	72.1345, -23.6006, -8.2545

Details

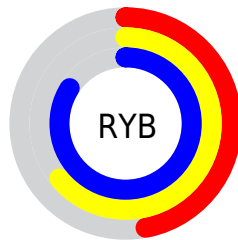
The XYZ color **41.4762, 52.0338, 71.4758** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.1053, 31.6184, 21.8126**, and the grayscale version is **43.3301, 45.5866, 49.6438**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **19.1510, 25.3400, 36.6826** is the 20% darker color. If you saturate the color by 10%, you get **38.2968, 49.5986, 71.1743**, and if you desaturate by 10%, it is **45.3299, 54.8307, 71.8135**.

Distribution



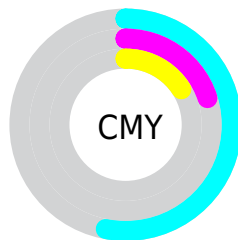
- Red (47%)
- Green (80%)
- Blue (84%)



- Red (47%)
- Yellow (64%)
- Blue (84%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)



- Cyan (53%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4762, 52.0338, 71.4758 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 41.4762, 52.0338, 71.4758 by changing the saturation by 10% instead.

■ 41.4762, 52.0338,
71.4758

■ 41.4762, 52.0338,
71.4758

343.3357,
394.5671, 484.6434

■ 28.8807, 37.0320,
52.2464

■ 76.6764, 93.1811,
123.0117

■ 19.1344, 25.2323,
36.8179

■ 100.0118,
120.0954, 156.1553

■ 11.8720, 16.2502,
24.7718

■ 127.6579,
151.7493, 194.7740

■ 6.7282, 9.7014,
15.6897

159.9800,
188.5272, 239.2864

■ 3.3375, 5.2014,
9.1529

197.3434,
230.8136, 290.1110

■ 1.3347, 2.3659,
4.7428

240.1136,

■ 0.2089, 0.8083,

278.9927, 347.6663

2.0411

288.6559,
333.4491, 412.3709

■ 0.0000, 0.0000,
0.5804

■ 0.0000, 0.0000,
0.0000

■ 41.4762, 52.0338,
71.4758

■ 41.4762, 52.0338,
71.4758

■ 38.2968, 49.5986,
71.1743

■ 45.3299, 54.8307,
71.8135

■ 35.7422, 47.4960,
70.9031


■ 49.8937, 58.0043,
72.1855


■ 33.7637, 45.7021,
70.6611


■ 55.2066, 61.5759,
72.5948


■ 32.3032, 44.1868,
70.4456


■ 61.3033, 65.5634,
73.0432

 31.2904, 42.9138,
70.2532


 68.2164, 69.9838,
73.5320

 30.8208, 42.2211,
70.1443

 75.9765, 74.8527,
74.0628

 78.9544, 77.2684,
74.3722

 79.5557, 78.4710,
74.5726

 80.1651, 79.6898,
74.7757

Harmonies

Analogous

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



40.3681, 52.0338, 56.4063



41.4762, 52.0338, 71.4758



44.6880, 52.0338, 84.1499

Triad

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



41.4762, 52.0338, 71.4758



58.3026, 52.0338, 71.9825



49.5439, 52.0338, 33.1489

Complementary

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



41.4762, 52.0338, 71.4758



39.1053, 31.6184, 21.8126

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.



54.5528, 52.0338, 35.9162



41.4762, 52.0338, 71.4758



59.8159, 52.0338, 56.9063

Square

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



41.4762, 52.0338, 71.4758



54.3916, 52.0338, 84.4757



58.4001, 52.0338, 44.0408



44.8294, 52.0338, 35.7320

Rectangle

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



41.4762, 52.0338, 71.4758



47.7056, 52.0338, 88.6335



58.4001, 52.0338, 44.0408



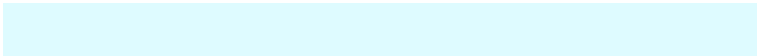
51.2499, 52.0338, 33.4758

Sweetspot

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



41.4778, 52.0358, 71.4770



82.7737, 92.0168, 108.0061



35.7826, 53.6829, 29.3859



17.3144, 19.4283, 23.0874



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.



41.4778, 52.0358, 71.4770



57.1193, 73.8910, 105.8596



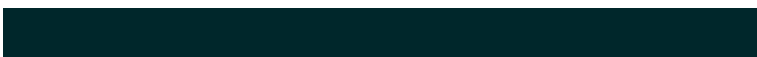
32.0434, 33.1671, 68.3322



12.6741, 13.8716, 15.9470



18.6749, 25.6116, 42.4124



1.1595, 1.6110, 2.5691

Inverse Universe

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



45.3484, 32.0902, 60.9327



63.7596, 40.9854, 87.4760



46.7268, 46.8613, 24.3531



12.8935, 12.6089, 15.3792



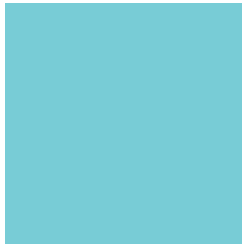
22.4851, 10.9304, 30.9222



1.3729, 0.6659, 1.9530

Previews

White Background



This preview shows how the XYZ color 41.4762, 52.0338, 71.4758 looks on a white background.

Color Contrast Check

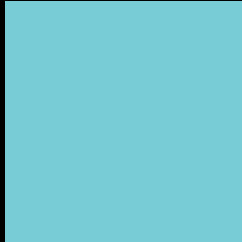
Large Text (above 18pt) WCAG AA × Fail

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 41.4762, 52.0338, 71.4758 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 41.4762, 52.0338, 71.4758

Background



This preview shows how black text looks on a background with the XYZ color 41.4762, 52.0338, 71.4758.

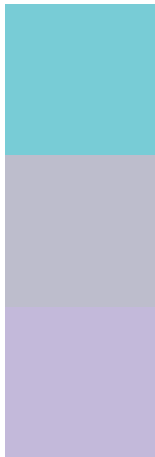


This preview shows how white text looks on a background with the XYZ color 41.4762, 52.0338,

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

41.4762, 52.0338, 71.4758

Protanopia

50.0829, 51.5736, 64.4418

Deuteranopia

52.5095, 51.3620, 73.4760



Tritanopia

42.3002, 52.0168, 75.5209

Trichromacy



Original Color

41.4762, 52.0338, 71.4758

Protanomaly

45.9868, 51.0302, 67.1006

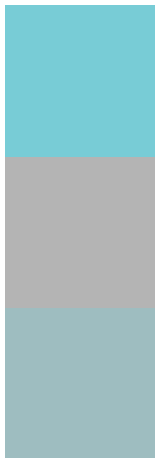
Deuteranomaly

47.5225, 51.0339, 72.9915

Tritanomaly

41.8960, 51.8388, 74.1274

Monochromacy



Original Color

41.4762, 52.0338, 71.4758

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.8126, 47.4701, 56.8281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4762, 52.0338, 71.4758 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(120, 204, 214)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 214)  
}
```

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(120, 204, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 214) }
```

Border

The CSS property to change the border of an element to XYZ 41.4762, 52.0338, 71.4758 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(120, 204, 214) }
```


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

```
.border{ border-color:rgb(120, 204, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 214);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4762, 52.0338, 71.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 214) }
```

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

```
.background{ background-color: rgb(120,  
204, 214) }
```

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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