

Converting Colors

XYZ(42.7094, 57.6474, 63.5196)

Have a look what the booklet for
XYZ(42.7094, 57.6474, 63.5196)
contains.

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Color

**XYZ(42.7094, 57.6474,
63.5196)**

Conversions

Conversions Part 1

Format	Color
Hex	76D9C8
RGB	118, 217, 200
RGB Percent	46%, 85%, 78%
CMY	0.5372, 0.1490, 0.2157
CMYK	0.46, 0.00, 0.08, 0.15
HSL	170°, 57%, 66%
HSV	170°, 46%, 85%
XYZ	42.7094, 57.6474, 63.5196
YIQ	185.4610, -53.5470, -26.2750

Conversions

Conversions Part 2

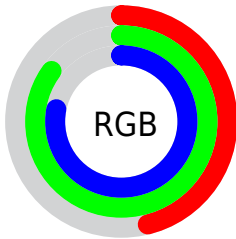
Format	Color
RYB	118, 172, 217
Decimal	7789000
CIELab	80.54, -33.16, -0.66
CIELCh	81, 33.167, 181.143
Yxy	57.6474, 0.2606, 0.3518
Android (android.graphics.Color)	4285979080 (0xFF76D9C8)
YUV	185.4610, 7.1677, -59.1633
Hunter-Lab	75.9259, -32.4615, 3.5461

Details

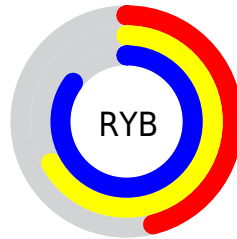
The XYZ color **42.7094, 57.6474, 63.5196** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.4689, 29.4595, 26.5298**, and the grayscale version is **46.3549, 48.7690, 53.1094**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **19.9123, 28.8458, 31.7124** is the 20% darker color. If you saturate the color by 10%, you get **39.6648, 56.1290, 61.1321**, and if you desaturate by 10%, it is **46.4458, 59.5241, 65.9974**.

Distribution



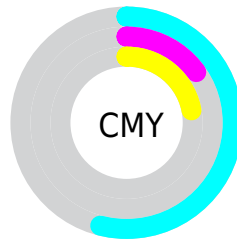
- Red (46%)
- Green (85%)
- Blue (78%)



- Red (46%)
- Yellow (67%)
- Blue (85%)



- Cyan (46%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)



- Cyan (54%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7094, 57.6474, 63.5196 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 42.7094, 57.6474, 63.5196 by changing the saturation by 10% instead.

■ 42.7094, 57.6474,
63.5196

■ 42.7094, 57.6474,
63.5196

348.3571,
415.8708, 455.6125

■ 29.8507, 41.5252,
45.8180

■ 78.5306, 101.4092,
111.5116

■ 19.8728, 28.7297,
31.7546

■ 102.2238,
129.8177, 142.6391

■ 12.4103, 18.8765,
20.9109

■ 130.2592,
163.0903, 179.0789

■ 7.0980, 11.5810,
12.8682

163.0023,
201.6116, 221.2496

■ 3.5703, 6.4591,
7.2082

200.8182,
245.7659, 269.5698

■ 1.4620, 3.1262,
3.5122

244.0724,

■ 0.2998, 1.1980,

295.9376, 324.4580

1.3618

293.1303,
352.5111, 386.3327

■ 0.0000, 0.0600,
0.1116

■ 0.0000, 0.0000,
0.0000

■ 42.7094, 57.6474,
63.5196

■ 42.7094, 57.6474,
63.5196

■ 39.6648, 56.1290,
61.1321

■ 46.4458, 59.5241,
65.9974

■ 37.2598, 54.9377,
58.8283

■ 50.9116, 61.7741,
68.5639

■ 35.4428, 54.0483,
56.6067

■ 56.1479, 64.4201,
71.2227

■ 34.1519, 53.4289,
54.4640

■ 62.1910, 67.4807,
73.9758

■ 33.3110, 53.0403,
52.3962

■ 69.0749, 70.9736,
76.8252

■ 33.0251, 52.9122,
51.5114

■ 76.8318, 74.9152,
79.7728

■ 79.7936, 76.3836,
82.5537

■ 80.3109, 76.5905,
85.2782

■ 80.8395, 76.8019,
88.0616

Harmonies

Analogous

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



44.0999, 57.6474, 46.3450



42.7094, 57.6474, 63.5196



44.3264, 57.6474, 84.2418

Triad

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



42.7094, 57.6474, 63.5196



61.8510, 57.6474, 100.6702



61.3616, 57.6474, 35.3073

Complementary

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



42.7094, 57.6474, 63.5196



39.4689, 29.4595, 26.5298

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.



66.7877, 57.6474, 45.2941



42.7094, 57.6474, 63.5196



67.0863, 57.6474, 82.6744

Square

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



42.7094, 57.6474, 63.5196



55.0539, 57.6474, 108.2521



68.9625, 57.6474, 62.0228



54.5312, 57.6474, 32.2314

Rectangle

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



42.7094, 57.6474, 63.5196



46.9767, 57.6474, 96.7549



68.9625, 57.6474, 62.0228



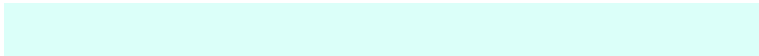
63.4296, 57.6474, 37.8490

Sweetspot

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



42.7111, 57.6497, 63.5209



82.1422, 93.4580, 103.2252



38.2624, 56.1829, 25.9684



17.2012, 19.8113, 21.9125



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.



42.7111, 57.6497, 63.5209



57.2090, 80.9125, 88.1398



37.4826, 43.8339, 72.1335



13.3439, 14.7892, 16.2737



20.0255, 32.0428, 31.3631



1.3232, 2.0862, 2.1681

Inverse Universe

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



39.4689, 29.4595, 26.5298



51.9905, 35.3238, 28.4415



42.6901, 37.6674, 22.1612



13.1468, 13.0878, 14.0346



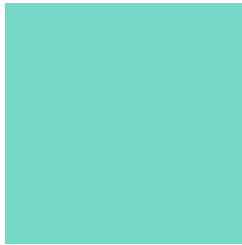
17.5537, 9.0225, 2.0299



1.1654, 0.5958, 0.2799

Previews

White Background



This preview shows how the XYZ color 42.7094, 57.6474, 63.5196 looks on a white background.

Color Contrast Check

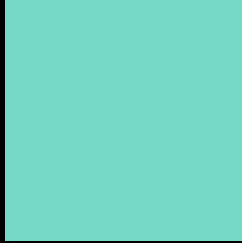
Large Text (above 18pt) WCAG AA × Fail

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 42.7094, 57.6474, 63.5196 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

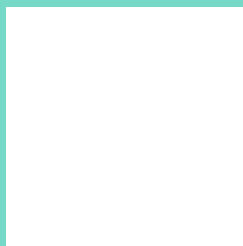
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7094, 57.6474, 63.5196

Background



This preview shows how black text looks on a background with the XYZ color 42.7094, 57.6474, 63.5196.

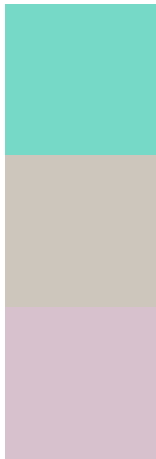


This preview shows how white text looks on a background with the XYZ color 42.7094, 57.6474,

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

42.7094, 57.6474, 63.5196

Protanopia

54.2812, 56.8997, 56.2659

Deuteranopia

58.1137, 56.9948, 65.6958



Tritanopia

46.8296, 57.8137, 83.5539

Trichromacy



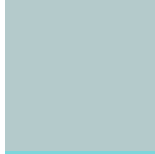
Original Color

42.7094, 57.6474, 63.5196



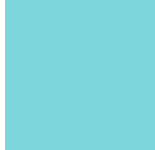
Protanomaly

48.6905, 56.3971, 58.7715



Deuteranomaly

50.7224, 56.2562, 64.6851



Tritanomaly

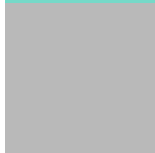
45.1449, 57.4927, 75.7356

Monochromacy



Original Color

42.7094, 57.6474, 63.5196



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.9585, 51.2273, 56.2862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7094, 57.6474, 63.5196 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(118, 217, 200)` looks like.

```
.text, #text, p{  
    color:rgb(118, 217, 200)  
}
```

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(118, 217, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 217, 200) }
```

Border

The CSS property to change the border of an element to XYZ 42.7094, 57.6474, 63.5196 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(118, 217, 200) }
```


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

```
.border{ border-color:rgb(118, 217, 200) }
```

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

Here you see how a box with a 4 pixel rgb(118, 217, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 217, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 217, 200);  
box-shadow:4px 4px 4px 4px rgb(118, 217,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7094, 57.6474, 63.5196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 217, 200) }
```

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

```
.background{ background-color: rgb(118,  
217, 200) }
```

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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