

Converting Colors

XYZ(42.6185, 64.8788, 64.4953)

Have a look what the booklet for
XYZ(42.6185, 64.8788, 64.4953)
contains.

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Color

**XYZ(42.6157, 64.8798,
64.3098)**

Conversions

Conversions Part 1

Format	Color
Hex	47EBC7
RGB	71, 235, 199
RGB Percent	28%, 92%, 78%
CMY	0.7215, 0.0784, 0.2196
CMYK	0.70, 0.00, 0.15, 0.08
HSL	167°, 80%, 60%
HSV	167°, 70%, 92%
XYZ	42.6157, 64.8798, 64.3098
YIQ	181.8600, -86.1880, -45.9640

Conversions

Conversions Part 2

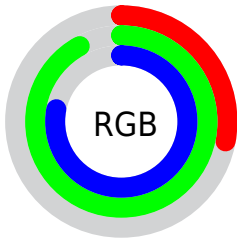
Format	Color
RYB	71, 163, 235
Decimal	4713415
CIELab	84.42, -50.16, 5.34
CIELCh	84, 50.446, 173.927
Yxy	64.8798, 0.2480, 0.3776
Android (android.graphics.Color)	4282903495 (0xFF47EBC7)
YUV	181.8600, 8.4500, -97.2242
Hunter-Lab	80.5480, -46.5196, 9.0463

Details

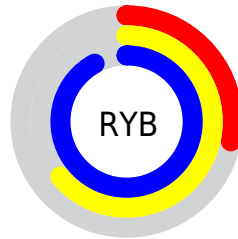
The XYZ color **42.6157, 64.8798, 64.3098** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **39.1703, 23.2320, 16.3323**, and the grayscale version is **44.3784, 46.6895, 50.8449**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **21.0312, 33.8851, 32.2201** is the 20% darker color. If you saturate the color by 10%, you get **40.6252, 63.9233, 61.1437**, and if you desaturate by 10%, it is **45.2962, 66.1928, 67.6171**.

Distribution



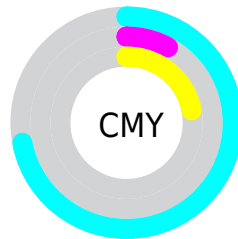
- Red (28%)
- Green (92%)
- Blue (78%)



- Red (28%)
- Yellow (64%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)





- Cyan (72%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6157, 64.8798, 64.3098 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 42.6157, 64.8798, 64.3098 by changing the saturation by 10% instead.


 42.6157, 64.8798,
64.3098


 42.6157, 64.8798,
64.3098


347.9773,
442.3599, 458.5457


 29.7769, 47.3636,
46.4539


 78.3899, 111.8770,
112.6607


 19.8166, 33.3232,
32.2529


 102.0561,
142.1269, 143.9928

 12.3693, 22.3742,
21.2883


 130.0621,
177.3901, 180.6540

 7.0697, 14.1321,
13.1416

 162.7734,
218.0510, 223.0628

 3.5524, 8.2126,
7.3943

200.5551,
264.4940, 271.6379

 1.4522, 4.2313,
3.6277

243.7728,

 0.2929, 1.8038,

317.1036, 326.7977

1.4234

292.7917,
376.2641, 388.9608

■ 0.0000, 0.4895,
0.1599

■ 0.0000, 0.0000,
0.0000

■ 42.6157, 64.8798,
64.3098

■ 42.6157, 64.8798,
64.3098

■ 40.6252, 63.9233,
61.1437

■ 45.2962, 66.1928,
67.6171

■ 39.2373, 63.2735,
58.1094


■ 48.7300, 67.8903,
71.0652


■ 38.3177, 62.8629,
55.2009


■ 52.9795, 70.0058,
74.6596


■ 38.2998, 62.8550,
55.1394

■ 58.0987, 72.5673,
78.4038

 64.1371, 75.6002,
82.3009

 71.1404, 79.1280,
86.3542

 79.1511, 83.1728,
90.5666

 86.7183, 86.9864,
94.8711

 87.4971, 87.2979,
98.9718

Harmonies

Analogous

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



45.8299, 64.8798, 40.1662



42.6157, 64.8798, 64.3098



43.9838, 64.8798, 98.7615

Triad

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



42.6157, 64.8798, 64.3098



70.8303, 64.8798, 143.4489



75.2524, 64.8798, 31.5656

Complementary

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



42.6157, 64.8798, 64.3098



39.1703, 23.2320, 16.3323

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.



83.5476, 64.8798, 48.4430



42.6157, 64.8798, 64.3098



80.7857, 64.8798, 113.5945

Square

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



42.6157, 64.8798, 64.3098



59.4133, 64.8798, 151.5501



85.6860, 64.8798, 77.3791



63.9755, 64.8798, 25.3138

Rectangle

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



42.6157, 64.8798, 64.3098



47.4050, 64.8798, 122.7209



85.6860, 64.8798, 77.3791



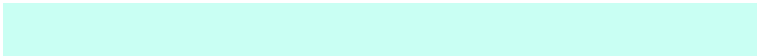
78.5343, 64.8798, 35.8818

Sweetspot

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



42.6175, 64.8823, 64.3113



76.1831, 90.4858, 98.4377



37.1873, 63.1424, 16.1902



15.8594, 19.1430, 20.7887



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.



42.6175, 64.8823, 64.3113



48.0488, 76.5402, 71.9009



36.2851, 44.7184, 85.3192



15.3679, 17.0620, 18.6201



21.3644, 35.0002, 30.9479



1.7126, 2.7623, 2.6142

Inverse Universe

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



39.1703, 23.2320, 16.3323



43.7802, 23.5337, 11.4291



41.5009, 30.3201, 9.6275



15.2008, 15.1082, 16.3429



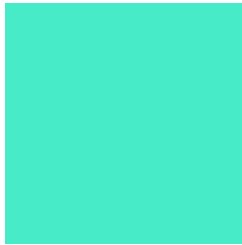
19.4465, 9.9813, 2.8865



1.5622, 0.7978, 0.4117

Previews

White Background



This preview shows how the XYZ color 42.6157, 64.8798, 64.3098 looks on a white background.

Color Contrast Check

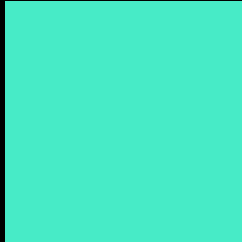
Large Text (above 18pt) WCAG AA × Fail

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 42.6157, 64.8798, 64.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

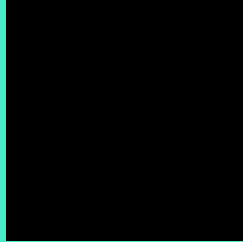
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

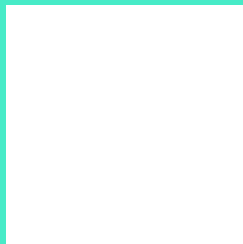
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6157, 64.8798, 64.3098

Background



This preview shows how black text looks on a background with the XYZ color 42.6157, 64.8798, 64.3098.

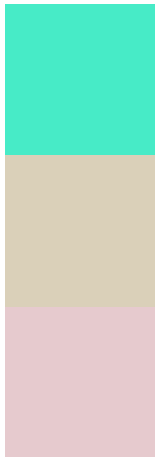


This preview shows how white text looks on a background with the XYZ color 42.6157, 64.8798,

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

42.6157, 64.8798, 64.3098

Protanopia

60.2263, 63.5200, 54.9853

Deuteranopia

64.8942, 63.5203, 67.2329



Tritanopia

49.1480, 64.5819, 97.8709

Trichromacy



Original Color

42.6157, 64.8798, 64.3098



Protanomaly

49.8827, 61.8598, 58.0262



Deuteranomaly

51.8393, 61.1756, 65.5758



Tritanomaly

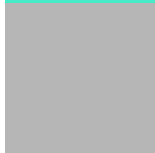
46.6966, 64.8434, 84.9178

Monochromacy



Original Color

42.6157, 64.8798, 64.3098



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.1191, 51.1549, 55.2836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6157, 64.8798, 64.3098 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(71, 235, 199)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 199)  
}
```

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(71, 235, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 199) }
```

Border

The CSS property to change the border of an element to XYZ 42.6157, 64.8798, 64.3098 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(71, 235, 199) }
```


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

```
.border{ border-color:rgb(71, 235, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 235, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 199);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6157, 64.8798, 64.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 199) }
```

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

```
.background{ background-color: rgb(71, 235,  
199) }
```

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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