

Converting Colors

XYZ(40.9644, 60.6407, 63.8192)

Have a look what the booklet for
XYZ(40.9644, 60.6407, 63.8192)
contains.

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Color

**XYZ(40.9198, 60.6814,
63.5888)**

Conversions

Conversions Part 1

Format	Color
Hex	4EE3C7
RGB	78, 227, 199
RGB Percent	31%, 89%, 78%
CMY	0.6941, 0.1098, 0.2196
CMYK	0.66, 0.00, 0.12, 0.11
HSL	169°, 73%, 60%
HSV	169°, 66%, 89%
XYZ	40.9198, 60.6814, 63.5888
YIQ	179.2570, -79.8160, -40.2960

Conversions

Conversions Part 2

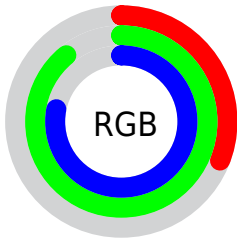
Format	Color
RYB	78, 160, 227
Decimal	5170119
CIELab	82.21, -45.76, 2.15
CIELCh	82, 45.812, 177.312
Yxy	60.6814, 0.2477, 0.3673
Android (android.graphics.Color)	4283360199 (0xFF4EE3C7)
YUV	179.2570, 9.7333, -88.8024
Hunter-Lab	77.8983, -42.5563, 6.1300

Details

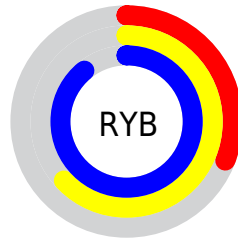
The XYZ color **40.9198, 60.6814, 63.5888** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **37.0065, 22.8220, 16.0927**, and the grayscale version is **42.9668, 45.2044, 49.2276**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **19.6737, 31.1702, 31.7676** is the 20% darker color. If you saturate the color by 10%, you get **38.8829, 59.6892, 60.9449**, and if you desaturate by 10%, it is **43.6156, 62.0146, 66.3387**.

Distribution



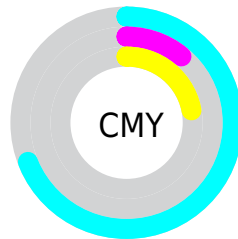
- Red (31%)
- Green (89%)
- Blue (78%)



- Red (31%)
- Yellow (63%)
- Blue (89%)



- Cyan (66%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (69%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9198, 60.6814, 63.5888 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 40.9198, 60.6814, 63.5888 by changing the saturation by 10% instead.


 40.9198, 60.6814,
63.5888


 40.9198, 60.6814,
63.5888


341.0536,
427.1049, 455.8698


 28.4438, 43.9681,
45.8737


 75.8376, 105.8175,
111.6123

 18.8026, 30.6454,
31.7982


 99.0101, 135.0091,
142.7577

 11.6309, 20.3290,
20.9439


 126.4789,
169.1289, 179.2170

 6.5633, 12.6344,
12.8921

 158.6093,
208.5613, 221.4086

 3.2344, 7.1773,
7.2245

195.7666,
253.6907, 269.7512

 1.2789, 3.5732,
3.5223

238.3161,

 0.1673, 1.4378,

304.9015, 324.6632

1.3671

286.6234,
362.5781, 386.5633

■ 0.0000, 0.2443,
0.1159

■ 0.0000, 0.0000,
0.0000

■ 40.9198, 60.6814,
63.5888

■ 40.9198, 60.6814,
63.5888

■ 38.8829, 59.6892,
60.9449

■ 43.6156, 62.0146,
66.3387

■ 37.4304, 58.9953,
58.3990


■ 47.0248, 63.7124,
69.1937


■ 36.4786, 58.5579,
55.9478


■ 51.2018, 65.8044,
72.1583


■ 36.1577, 58.4152,
54.9048


■ 56.1944, 68.3153,
75.2353

 62.0465, 71.2676,
78.4273

 68.7986, 74.6822,
81.7368

 76.4889, 78.5787,
85.1660

 83.4369, 82.0909,
88.6369

 84.0543, 82.3379,
91.8884

Harmonies

Analogous

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



43.3075, 60.6814, 41.1345



40.9198, 60.6814, 63.5888



42.5862, 60.6814, 93.8606

Triad

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



40.9198, 60.6814, 63.5888



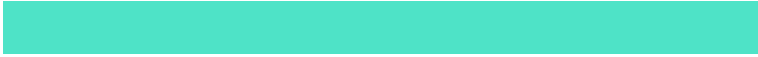
66.7018, 60.6814, 126.0959



68.3915, 60.6814, 30.4335

Complementary

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



40.9198, 60.6814, 63.5888



37.0065, 22.8220, 16.0927

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.



75.9654, 60.6814, 44.3927



40.9198, 60.6814, 63.5888



74.9152, 60.6814, 99.4731

Square

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



40.9198, 60.6814, 63.5888



56.8022, 60.6814, 135.4251



78.4762, 60.6814, 68.6185



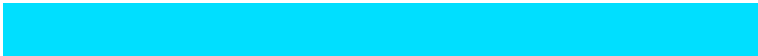
58.5584, 60.6814, 25.6750

Rectangle

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



40.9198, 60.6814, 63.5888



45.8885, 60.6814, 113.8527



78.4762, 60.6814, 68.6185



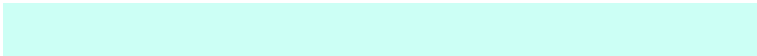
71.3264, 60.6814, 33.9709

Sweetspot

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



40.9215, 60.6838, 63.5902



77.2068, 90.9753, 100.2097



35.0063, 58.6663, 16.6877



16.0706, 19.2430, 21.1982



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.



40.9215, 60.6838, 63.5902



49.7999, 77.3089, 78.0387



33.7985, 40.7470, 78.7593



14.6852, 16.2875, 17.8729



21.1273, 34.0830, 32.2344



1.5914, 2.5307, 2.5406

Inverse Universe

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



37.0065, 22.8220, 16.0927



44.4444, 24.6191, 12.3999



40.1016, 30.9747, 11.0741



14.4871, 14.4120, 15.4994



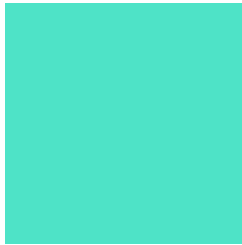
18.7573, 9.6371, 2.3508



1.4178, 0.7248, 0.3404

Previews

White Background



This preview shows how the XYZ color 40.9198, 60.6814, 63.5888 looks on a white background.

Color Contrast Check

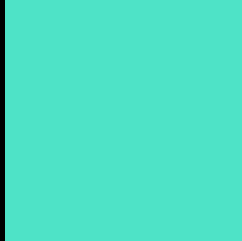
Large Text (above 18pt) WCAG AA × Fail

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 40.9198, 60.6814, 63.5888 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

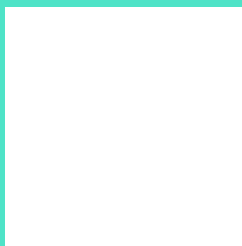
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9198, 60.6814, 63.5888

Background



This preview shows how black text looks on a background with the XYZ color 40.9198, 60.6814, 63.5888.



This preview shows how white text looks on a background with the XYZ color 40.9198, 60.6814,

63.5888.

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

40.9198, 60.6814, 63.5888

Protanopia

56.7415, 59.5927, 54.4109

Deuteranopia

60.6993, 59.3082, 66.6410



Tritanopia

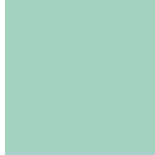
46.2603, 60.4317, 90.8877

Trichromacy



Original Color

40.9198, 60.6814, 63.5888



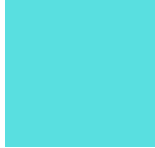
Protanomaly

47.6928, 58.0928, 57.4145



Deuteranomaly

49.4545, 57.3725, 64.9674



Tritanomaly

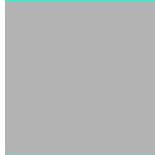
43.9620, 60.2810, 79.8394

Monochromacy



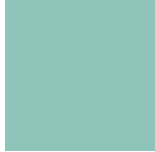
Original Color

40.9198, 60.6814, 63.5888



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.7582, 48.7758, 53.7736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9198, 60.6814, 63.5888 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(78, 227, 199)` looks like.

```
.text, #text, p{  
    color:rgb(78, 227, 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(78, 227, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 227, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.9198, 60.6814, 63.5888 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(78, 227, 199) }
```


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

```
.border{ border-color:rgb(78, 227, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 227, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 227, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 227, 199);  
box-shadow:4px 4px 4px 4px rgb(78, 227,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9198, 60.6814, 63.5888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 227, 199) }
```

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

```
.background{ background-color: rgb(78, 227,  
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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