

Converting Colors

XYZ(40.5406, 55.3636, 68.0201)

Have a look what the booklet for
XYZ(40.5406, 55.3636, 68.0201)
contains.

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Color

**XYZ(40.5773, 55.2998,
68.2098)**

Conversions

Conversions Part 1

Format	Color
Hex	63D6D0
RGB	99, 214, 208
RGB Percent	39%, 84%, 82%
CMY	0.6117, 0.1608, 0.1843
CMYK	0.54, 0.00, 0.03, 0.16
HSL	177°, 58%, 61%
HSV	177°, 54%, 84%
XYZ	40.5773, 55.2998, 68.2098
YIQ	178.9310, -66.6140, -26.2460

Conversions

Conversions Part 2

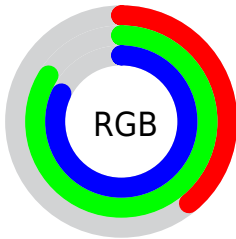
Format	Color
RYB	99, 158, 214
Decimal	6543056
CIELab	79.21, -33.92, -6.97
CIELCh	79, 34.624, 191.611
Yxy	55.2998, 0.2473, 0.3370
Android (android.graphics.Color)	4284733136 (0xFF63D6D0)
YUV	178.9310, 14.3310, -70.0995
Hunter-Lab	74.3638, -32.7366, -2.3287

Details

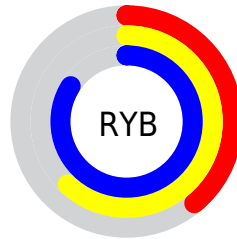
The XYZ color **40.5773, 55.2998, 68.2098** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7450, 24.2414, 16.2143**, and the grayscale version is **42.7640, 44.9910, 48.9952**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **18.6569, 27.3490, 34.8674** is the 20% darker color. If you saturate the color by 10%, you get **38.4054, 54.1973, 67.3945**, and if you desaturate by 10%, it is **43.3728, 56.7263, 69.0618**.

Distribution



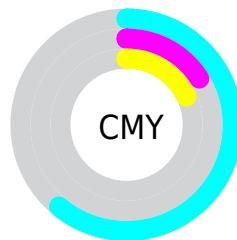
- Red (39%)
- Green (84%)
- Blue (82%)



- Red (39%)
- Yellow (62%)
- Blue (84%)



- Cyan (54%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)



- Cyan (61%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5773, 55.2998, 68.2098 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 40.5773, 55.2998, 68.2098 by changing the saturation by 10% instead.

40.5773, 55.2998,
68.2098

40.5773, 55.2998,
68.2098

339.6437,
407.0474, 472.8572

28.1752, 39.6418,
49.6007

75.3206, 97.9801,
118.3093

18.5989, 27.2594,
34.7273

98.3924, 125.7711,
150.6367

11.4831, 17.7681,
23.1710

125.7515,
158.3753, 188.3740

6.4624, 10.7836,
14.5133

157.7633,
196.1771, 231.9397

3.1716, 5.9215,
8.3357

194.7930,
239.5608, 281.7523

1.2451, 2.7974,
4.2197

237.2061,

0.1416, 1.0269,

288.9108, 338.2304

1.7466

285.3679,
344.6115, 401.7925

■ 0.0000, 0.0000,
0.3924

■ 0.0000, 0.0000,
0.0000

■ 40.5773, 55.2998,
68.2098

■ 40.5773, 55.2998,
68.2098

■ 38.4054, 54.1973,
67.3945

■ 43.3728, 56.7263,
69.0618

■ 36.8021, 53.3865,
66.6096

■ 46.8317, 58.4934,
69.9487

■ 35.7113, 52.8397,
65.8538

■ 50.9960, 60.6240,
70.8736

■ 35.0627, 52.5208,
65.1236

■ 55.9032, 63.1374,
71.8384

■ 34.8072, 52.3988,
64.6759

■ 61.5877, 66.0516,
72.8447

■ 68.0822, 69.3831,
73.8940

■ 75.4172, 73.1478,
74.9877

■ 77.8036, 74.3613,
75.8550

■ 77.9493, 74.4196,
76.6226

Harmonies

Analogous

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



40.9209, 55.2998, 48.9750



40.5773, 55.2998, 68.2098



43.2288, 55.2998, 89.2208

Triad

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



40.5773, 55.2998, 68.2098



61.8989, 55.2998, 93.4254



56.8702, 55.2998, 30.8122

Complementary

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



40.5773, 55.2998, 68.2098



34.7450, 24.2414, 16.2143

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.



63.1476, 55.2998, 38.2903



40.5773, 55.2998, 68.2098



66.2219, 55.2998, 73.0486

Square

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



40.5773, 55.2998, 68.2098



55.2838, 55.2998, 105.7719



66.6980, 55.2998, 52.8653



49.9287, 55.2998, 30.0722

Rectangle

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



40.5773, 55.2998, 68.2098



46.4861, 55.2998, 100.3322



66.6980, 55.2998, 52.8653



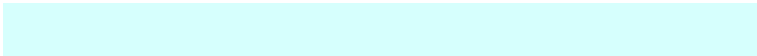
59.1429, 55.2998, 32.5298

Sweetspot

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



40.5789, 55.3019, 68.2111



81.2590, 92.9299, 106.4749



32.3238, 52.1013, 20.1586



17.0604, 19.7205, 22.7258



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.



40.5789, 55.3019, 68.2111



56.8624, 80.4685, 100.1125



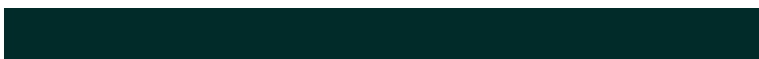
30.5902, 34.1203, 68.5942



12.7629, 14.0962, 15.8318



21.0502, 31.6754, 39.1558



1.2784, 1.9140, 2.4079

Inverse Universe

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



34.7450, 24.2414, 16.2143



47.3655, 29.8059, 15.3940



40.7067, 36.6412, 16.7326



12.4493, 12.4312, 13.0401



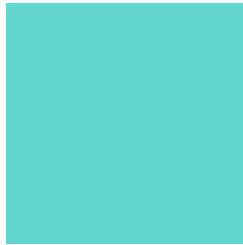
16.8108, 8.6606, 1.0417



1.0234, 0.5261, 0.1126

Previews

White Background



This preview shows how the XYZ color 40.5773, 55.2998, 68.2098 looks on a white background.

Color Contrast Check

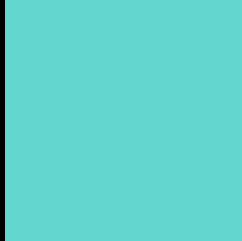
Large Text (above 18pt) WCAG AA × Fail

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 40.5773, 55.2998, 68.2098 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

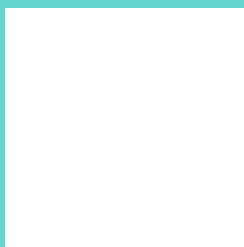
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5773, 55.2998, 68.2098

Background



This preview shows how black text looks on a background with the XYZ color 40.5773, 55.2998, 68.2098.

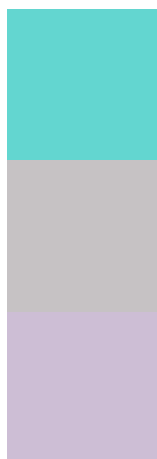


This preview shows how white text looks on a background with the XYZ color 40.5773, 55.2998,

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

40.5773, 55.2998, 68.2098

Protanopia

52.5443, 54.5749, 59.9892

Deuteranopia

55.6005, 54.6101, 70.5611



Tritanopia

43.2417, 55.2541, 81.7848

Trichromacy



Original Color

40.5773, 55.2998, 68.2098



Protanomaly

46.2123, 53.6248, 62.5586



Deuteranomaly

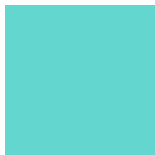
47.9072, 53.6570, 69.4599



Tritanomaly

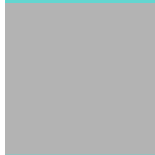
42.1881, 55.1910, 76.8360

Monochromacy



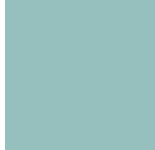
Original Color

40.5773, 55.2998, 68.2098



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.7216, 47.9010, 55.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5773, 55.2998, 68.2098 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(99, 214, 208)` looks like.

```
.text, #text, p{  
    color:rgb(99, 214, 208)  
}
```

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(99, 214, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 214, 208) }
```

Border

The CSS property to change the border of an element to XYZ 40.5773, 55.2998, 68.2098 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(99, 214, 208) }
```


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

```
.border{ border-color:rgb(99, 214, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 214, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 214, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 214, 208);  
box-shadow:4px 4px 4px 4px rgb(99, 214,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5773, 55.2998, 68.2098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 214, 208) }
```

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

```
.background{ background-color: rgb(99, 214,  
208) }
```

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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