

Converting Colors

XYZ(40.5940, 55.5876, 72.8796)

Have a look what the booklet for
XYZ(40.5940, 55.5876, 72.8796)
contains.

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Color

**XYZ(40.5907, 55.5819,
72.8790)**

Conversions

Conversions Part 1

Format	Color
Hex	58D7D7
RGB	88, 215, 215
RGB Percent	35%, 84%, 84%
CMY	0.6549, 0.1568, 0.1569
CMYK	0.59, 0.00, 0.00, 0.16
HSL	180°, 61%, 59%
HSV	180°, 59%, 84%
XYZ	40.5907, 55.5819, 72.8790
YIQ	177.0270, -75.6920, -26.9240

Conversions

Conversions Part 2

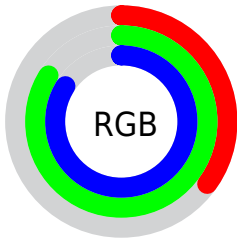
Format	Color
RYB	88, 152, 215
Decimal	5822423
CIELab	79.38, -34.57, -10.51
CIELCh	79, 36.132, 196.908
Yxy	55.5819, 0.2401, 0.3288
Android (android.graphics.Color)	4284012503 (0xFF58D7D7)
YUV	177.0270, 18.7207, -78.0767
Hunter-Lab	74.5533, -33.2835, -5.7712

Details

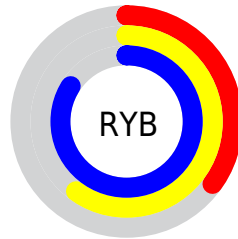
The XYZ color **40.5907, 55.5819, 72.8790** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.2774, 22.1328, 11.7525**, and the grayscale version is **41.7391, 43.9128, 47.8210**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **18.9160, 27.6797, 37.6034** is the 20% darker color. If you saturate the color by 10%, you get **38.8482, 54.6849, 72.7985**, and if you desaturate by 10%, it is **42.9365, 56.7925, 72.9902**.

Distribution



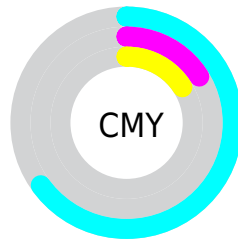
- Red (35%)
- Green (84%)
- Blue (84%)



- Red (35%)
- Yellow (60%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (65%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5907, 55.5819, 72.8790 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 40.5907, 55.5819, 72.8790 by changing the saturation by 10% instead.


 40.5907, 55.5819,
72.8790


 40.5907, 55.5819,
72.8790


339.6989,
408.1139, 489.6549


 28.1857, 39.8678,
53.3858


 75.3408, 98.3930,
125.0247

 18.6068, 27.4355,
37.7210


 98.4166, 126.2588,
158.5144

 11.4888, 17.9006,
25.4661


 125.7800,
158.9440, 197.5066

 6.4664, 10.8786,
16.2025

 157.7964,
196.8329, 242.4199

 3.1740, 5.9853,
9.5116

194.8311,
240.3099, 293.6728

 1.2464, 2.8361,
4.9750

237.2496,

 0.1426, 1.0468,

289.7595, 351.6839

2.1741

285.4170,
345.5661, 416.8718

■ 0.0000, 0.0000,
0.6594

■ 0.0000, 0.0000,
0.0000

■ 40.5907, 55.5819,
72.8790

■ 40.5907, 55.5819,
72.8790

■ 38.8482, 54.6849,
72.7985

■ 42.9365, 56.7925,
72.9902

■ 37.6496, 54.0670,
72.7422

■ 45.9285, 58.3349,
73.1305

■ 36.9322, 53.6971,
72.7084

■ 49.6115, 60.2335,
73.3031

■ 36.5922, 53.5219,
72.6922

■ 54.0247, 62.5086,
73.5098

■ 36.5671, 53.5089,
72.6910

■ 59.2047, 65.1790,
73.7525

■ 65.1853, 68.2621,
74.0326

■ 71.9986, 71.7745,
74.3516

■ 77.8076, 74.7691,
74.6237

■ 77.8076, 74.7691,
74.6239

Harmonies

Analogous

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



40.3896, 55.5819, 51.9250



40.5907, 55.5819, 72.8790



43.8725, 55.5819, 94.5765

Triad

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



40.5907, 55.5819, 72.8790



63.6681, 55.5819, 92.0694



56.0475, 55.5819, 29.3853

Complementary

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



40.5907, 55.5819, 72.8790



33.2774, 22.1328, 11.7525

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.



62.9282, 55.5819, 35.8112



40.5907, 55.5819, 72.8790



67.5912, 55.5819, 70.0130

Square

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



40.5907, 55.5819, 72.8790



56.9846, 55.5819, 107.2751



67.3087, 55.5819, 49.6424



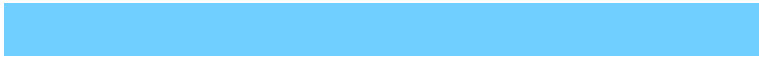
48.8803, 55.5819, 29.8121

Rectangle

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



40.5907, 55.5819, 72.8790



47.5517, 55.5819, 105.1336



67.3087, 55.5819, 49.6424



58.4828, 55.5819, 30.7397

Sweetspot

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



40.5924, 55.5840, 72.8803



80.1327, 92.3099, 108.2013



30.2915, 51.4872, 17.5754



16.7124, 19.5317, 23.1390



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.



40.5924, 55.5840, 72.8803



56.6297, 80.1937, 107.0996



27.7846, 29.9680, 68.6123



12.7922, 14.1079, 15.9863



21.8707, 32.0036, 43.4765



1.3191, 1.9303, 2.6223

Inverse Universe

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



33.2774, 22.1328, 11.7525



44.9199, 26.6447, 9.2456



40.5961, 36.7703, 14.1917



12.4233, 12.4208, 12.9034



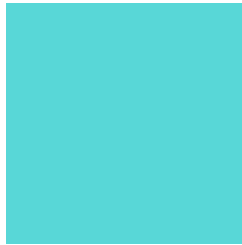
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 40.5907, 55.5819, 72.8790 looks on a white background.

Color Contrast Check

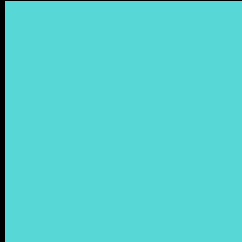
Large Text (above 18pt) WCAG AA × Fail

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 40.5907, 55.5819, 72.8790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

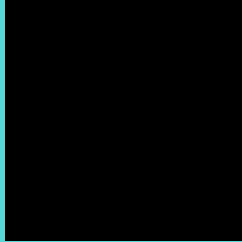
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

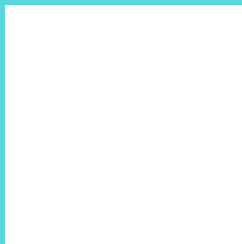
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5907, 55.5819, 72.8790

Background



This preview shows how black text looks on a background with the XYZ color 40.5907, 55.5819, 72.8790.

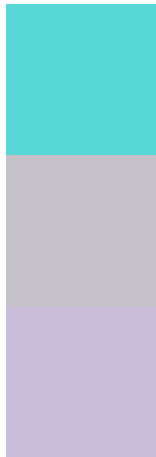


This preview shows how white text looks on a background with the XYZ color 40.5907, 55.5819,

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

40.5907, 55.5819, 72.8790

Protanopia

52.9784, 54.7182, 63.6465

Deuteranopia

55.6888, 54.5508, 75.3044



Tritanopia

42.6933, 55.6814, 83.3603

Trichromacy



Original Color

40.5907, 55.5819, 72.8790



Protanomaly

46.2876, 53.9142, 66.9983



Deuteranomaly

47.7763, 53.4859, 74.1354



Tritanomaly

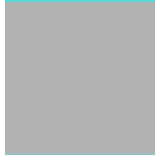
42.0508, 55.8047, 79.7892

Monochromacy



Original Color

40.5907, 55.5819, 72.8790



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.7118, 47.0429, 56.2774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5907, 55.5819, 72.8790 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(88, 215, 215)` looks like.

```
.text, #text, p{  
    color:rgb(88, 215, 215)  
}
```

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(88, 215, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 215, 215) }
```

Border

The CSS property to change the border of an element to XYZ 40.5907, 55.5819, 72.8790 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(88, 215, 215) }
```


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

```
.border{ border-color:rgb(88, 215, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 215, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 215, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 215, 215);  
box-shadow:4px 4px 4px 4px rgb(88, 215,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5907, 55.5819, 72.8790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 215, 215) }
```

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

```
.background{ background-color: rgb(88, 215,  
215) }
```

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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