

Converting Colors

XYZ(38.9069, 55.0095, 55.6787)

Have a look what the booklet for
XYZ(38.9069, 55.0095, 55.6787)
contains.

XYZ(38.9790, 55.1318, 55.6008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.9790, 55.1318,
55.6008)**

Conversions

Conversions Part 1

Format	Color
Hex	68D7BB
RGB	104, 215, 187
RGB Percent	41%, 84%, 73%
CMY	0.5921, 0.1568, 0.2667
CMYK	0.52, 0.00, 0.13, 0.16
HSL	165°, 58%, 63%
HSV	165°, 52%, 84%
XYZ	38.9790, 55.1318, 55.6008
YIQ	178.6190, -57.1680, -32.2400

Conversions

Conversions Part 2

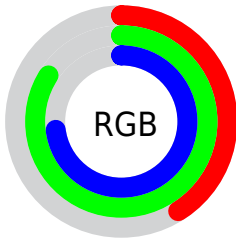
Format	Color
RYB	104, 168, 215
Decimal	6870971
CIELab	79.12, -38.51, 4.14
CIElCh	79, 38.730, 173.870
Yxy	55.1318, 0.2604, 0.3683
Android (android.graphics.Color)	4285061051 (0xFF68D7BB)
YUV	178.6190, 4.1318, -65.4409
Hunter-Lab	74.2508, -36.2328, 7.5778

Details

The XYZ color **38.9790, 55.1318, 55.6008** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **37.1414, 26.0151, 24.8957**, and the grayscale version is **42.6469, 44.8678, 48.8611**.

A 20% lighter version of the original color is **66.8380, 85.6724, 97.8077**, and **17.7490, 27.3140, 26.8909** is the 20% darker color. If you saturate the color by 10%, you get **36.2249, 53.7792, 52.4987**, and if you desaturate by 10%, it is **42.3943, 56.8255, 58.8508**.

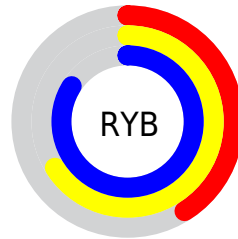
Distribution



Red (41%)

Green (84%)

Blue (73%)



Red (41%)

Yellow (66%)

Blue (84%)

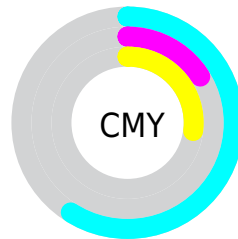


Cyan (52%)

Magenta (0%)

Yellow (13%)

Black (16%)



Cyan (59%)


Magenta (16%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9790, 55.1318, 55.6008 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 38.9790, 55.1318, 55.6008 by changing the saturation by 10% instead.


 38.9790, 55.1318,
55.6008


 38.9790, 55.1318,
55.6008


333.0099,
406.4113, 425.5313


 26.9240, 39.5073,
39.4811


 72.9005, 97.7340,
99.9006


 17.6525, 27.1546,
26.8235


 95.4978, 125.4805,
128.9178

 10.7989, 17.6893,
17.2094


 122.3399,
158.0364, 163.0713

 5.9981, 10.7272,
10.2204

 153.7921,
195.7862, 202.7796

 2.8846, 5.8837,
5.4378

190.2199,
239.1141, 248.4611

 1.0930, 2.7745,
2.4432

231.9885,

 0.0193, 1.0152,

288.4047, 300.5346

0.8098

279.4634,
344.0423, 359.4185

■ 0.0000, 0.0000,
0.0000

■ 38.9790, 55.1318,
55.6008

■ 38.9790, 55.1318,
55.6008

■ 36.2249, 53.7792,
52.4987

■ 42.3943, 56.8255,
58.8508

■ 34.0777, 52.7357,
49.5371

■ 46.5105, 58.8765,
62.2480

■ 32.4822, 51.9740,
46.7132

■ 51.3696, 61.3080,
65.7970

■ 31.3703, 51.4592,
44.0227

■ 57.0091, 64.1391,
69.5007

■ 30.7137, 51.1677,
41.8671

■ 63.4635, 67.3877,
73.3618

70.7657, 71.0706,
77.3830

78.9464, 75.2038,
81.5669

79.8796, 75.5981,
85.5344

80.6551, 75.9083,
89.6183

Harmonies

Analogous

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



41.2986, 55.1318, 38.2819



38.9790, 55.1318, 55.6008



39.9602, 55.1318, 78.9366

Triad

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



38.9790, 55.1318, 55.6008



58.6431, 55.1318, 107.9265



61.6541, 55.1318, 31.8138

Complementary

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



38.9790, 55.1318, 55.6008



37.1414, 26.0151, 24.8957

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.



67.1884, 55.1318, 44.4112



38.9790, 55.1318, 55.6008



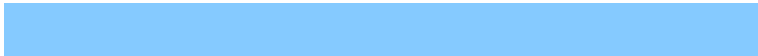
65.3340, 55.1318, 88.7604

Square

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



38.9790, 55.1318, 55.6008



50.8312, 55.1318, 113.0237



68.5970, 55.1318, 64.6866



54.0031, 55.1318, 26.8942

Rectangle

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



38.9790, 55.1318, 55.6008



42.4077, 55.1318, 94.5910



68.5970, 55.1318, 64.6866



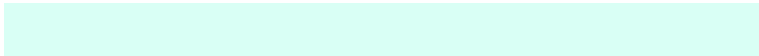
63.8528, 55.1318, 35.1154

Sweetspot

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



38.9806, 55.1340, 55.6021



80.8360, 92.8474, 100.3280



36.5687, 54.6382, 21.7165



16.9220, 19.6823, 21.2256



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.



38.9806, 55.1340, 55.6021



52.9598, 78.9682, 76.8193



36.1955, 44.2896, 70.9335



12.6521, 14.0518, 15.2484



18.4144, 30.6211, 25.2757



1.1430, 1.8599, 1.6949

Inverse Universe

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



37.1414, 26.0151, 24.8957



50.0053, 31.5909, 27.0478



38.4941, 31.3868, 17.1271



12.5505, 12.4717, 13.5732



17.1998, 8.8162, 3.0903



1.0710, 0.5452, 0.3635

Previews

White Background



This preview shows how the XYZ color 38.9790, 55.1318, 55.6008 looks on a white background.

Color Contrast Check

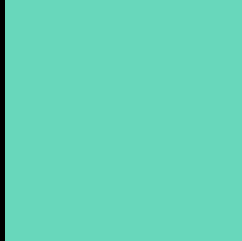
Large Text (above 18pt) WCAG AA × Fail

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 38.9790, 55.1318, 55.6008 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

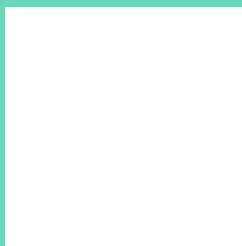
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9790, 55.1318, 55.6008

Background



This preview shows how black text looks on a background with the XYZ color 38.9790, 55.1318, 55.6008.



This preview shows how white text looks on a background with the XYZ color 38.9790, 55.1318,

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

38.9790, 55.1318, 55.6008

Protanopia

51.7569, 54.4147, 48.8495

Deuteranopia

55.3404, 54.1128, 57.9801



Tritanopia

43.7304, 54.8049, 80.2251

Trichromacy



Original Color

38.9790, 55.1318, 55.6008



Protanomaly

45.2951, 53.7518, 51.1679



Deuteranomaly

47.0536, 53.1484, 57.0689



Tritanomaly

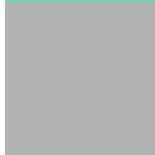
41.8600, 54.7867, 70.6560

Monochromacy



Original Color

38.9790, 55.1318, 55.6008



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.2420, 47.7521, 51.3521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9790, 55.1318, 55.6008 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(104, 215, 187)` looks like.

```
.text, #text, p{  
    color:rgb(104, 215, 187)  
}
```

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(104, 215, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 215, 187) }
```

Border

The CSS property to change the border of an element to XYZ 38.9790, 55.1318, 55.6008 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(104, 215, 187) }
```


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

```
.border{ border-color:rgb(104, 215, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 215, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 215, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 215, 187);  
box-shadow:4px 4px 4px 4px rgb(104, 215,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9790, 55.1318, 55.6008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 215, 187) }
```

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

```
.background{ background-color: rgb(104,  
215, 187) }
```

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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