

Converting Colors

XYZ(39.6570, 55.9299, 55.1895)

Have a look what the booklet for
XYZ(39.6570, 55.9299, 55.1895)
contains.

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Color

**XYZ(39.6031, 55.8450,
55.1462)**

Conversions

Conversions Part 1

Format	Color
Hex	6CD8BA
RGB	108, 216, 186
RGB Percent	42%, 85%, 73%
CMY	0.5765, 0.1529, 0.2706
CMYK	0.50, 0.00, 0.14, 0.15
HSL	163°, 58%, 64%
HSV	163°, 50%, 85%
XYZ	39.6031, 55.8450, 55.1462
YIQ	180.2880, -54.7380, -32.2260

Conversions

Conversions Part 2

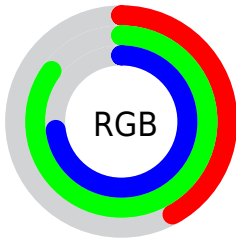
Format	Color
RYB	108, 171, 216
Decimal	7133370
CIELab	79.53, -38.30, 5.28
CIELCh	80, 38.659, 172.154
Yxy	55.8450, 0.2630, 0.3708
Android (android.graphics.Color)	4285323450 (0xFF6CD8BA)
YUV	180.2880, 2.8160, -63.3966
Hunter-Lab	74.7295, -36.1801, 8.5580

Details

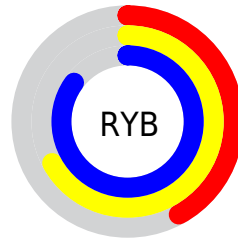
The XYZ color **39.6031, 55.8450, 55.1462** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.2708, 27.1605, 27.2722**, and the grayscale version is **43.5448, 45.8126, 49.8899**.

A 20% lighter version of the original color is **67.5129, 86.0378, 97.0531**, and **18.1052, 27.7640, 26.5951** is the 20% darker color. If you saturate the color by 10%, you get **36.6701, 54.4066, 51.7494**, and if you desaturate by 10%, it is **43.2167, 57.6340, 58.7171**.

Distribution



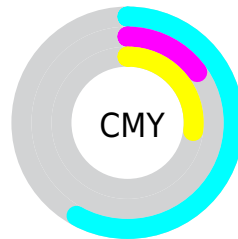
- Red (42%)
- Green (85%)
- Blue (73%)



- Red (42%)
- Yellow (67%)
- Blue (85%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)





- Cyan (58%)
- Magenta (15%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6031, 55.8450, 55.1462 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 39.6031, 55.8450, 55.1462 by changing the saturation by 10% instead.


 39.6031, 55.8450,
55.1462


 39.6031, 55.8450,
55.1462


335.6110,
409.1071, 423.7634


 27.4121, 40.0787,
39.1194


 73.8469, 98.7779,
99.2284

 18.0211, 27.5999,
26.5441


 96.6304, 126.7133,
128.1209

 11.0649, 18.0243,
17.0017


 123.6755,
159.4738, 162.1391

 6.1781, 10.9674,
10.0737

155.3474,
197.4438, 201.7014

 2.9954, 6.0449,
5.3416

192.0116,
241.0078, 247.2265

 1.1513, 2.8724,
2.3868

234.0333,

 0.0674, 1.0655,

290.5500, 299.1328

0.7793

281.7780,
346.4550, 357.8390

■ 0.0000, 0.0000,
0.0000

■ 39.6031, 55.8450,
55.1462

■ 39.6031, 55.8450,
55.1462

■ 36.6701, 54.4066,
51.7494

■ 43.2167, 57.6340,
58.7171

■ 34.3638, 53.2867,
48.5189

■ 47.5506, 59.7898,
62.4621

■ 32.6295, 52.4588,
45.4517

■ 52.6466, 62.3354,
66.3859


■ 31.4005, 51.8883,
42.5427


■ 58.5423, 65.2899,
70.4918


■ 30.5575, 51.5139,
39.7847


■ 65.2725, 68.6714,
74.7832

 30.5575, 51.5139,
39.7846

 72.8699, 72.4967,
79.2631

 79.8011, 75.9753,
83.8612

 80.6489, 76.3145,
88.3256

 81.5259, 76.6653,
92.9438

Harmonies

Analogous

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



42.1266, 55.8450, 38.1371



39.6031, 55.8450, 55.1462



40.4013, 55.8450, 78.4238

Triad

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



39.6031, 55.8450, 55.1462



58.9189, 55.8450, 109.7080



62.7903, 55.8450, 32.8739

Complementary

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



39.6031, 55.8450, 55.1462



38.2708, 27.1605, 27.2722

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.



68.1649, 55.8450, 46.0461



39.6031, 55.8450, 55.1462



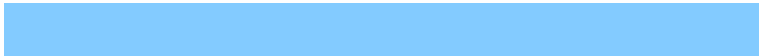
65.7820, 55.8450, 91.0407

Square

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



39.6031, 55.8450, 55.1462



51.0642, 55.8450, 113.8501



69.3100, 55.8450, 66.8398



55.1461, 55.8450, 27.4874

Rectangle

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



39.6031, 55.8450, 55.1462



42.7490, 55.8450, 94.3065



69.3100, 55.8450, 66.8398



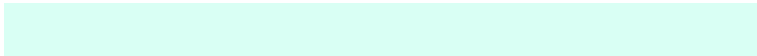
64.9519, 55.8450, 36.3586

Sweetspot

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



39.6047, 55.8472, 55.1475



80.6871, 92.7878, 99.5434



37.8451, 55.6513, 22.9354



16.8859, 19.6678, 21.0355



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.



39.6047, 55.8472, 55.1475



53.1860, 79.1234, 75.0859



37.5624, 46.1113, 71.8889



12.6382, 14.0463, 15.1751



18.1341, 30.5090, 23.7997



1.1281, 1.8539, 1.6161

Inverse Universe

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



38.2708, 27.1605, 27.2722



51.0639, 32.7918, 30.2256



39.1975, 32.0235, 18.3035



12.5636, 12.4769, 13.6422



17.2844, 8.8501, 3.5356



1.0776, 0.5478, 0.3981

Previews

White Background



This preview shows how the XYZ color 39.6031, 55.8450, 55.1462 looks on a white background.

Color Contrast Check

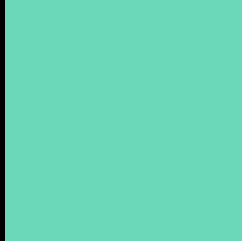
Large Text (above 18pt) WCAG AA × Fail

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 39.6031, 55.8450, 55.1462 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

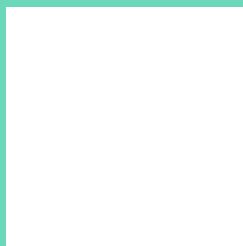
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6031, 55.8450, 55.1462

Background



This preview shows how black text looks on a background with the XYZ color 39.6031, 55.8450, 55.1462.



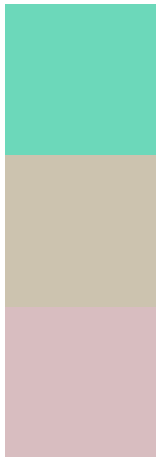
This preview shows how white text looks on a background with the XYZ color 39.6031, 55.8450,

55.1462.

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

39.6031, 55.8450, 55.1462

Protanopia

52.1548, 54.9627, 48.4175

Deuteranopia

56.0309, 54.7999, 57.4935



Tritanopia

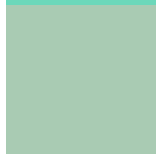
44.6575, 55.6323, 81.0575

Trichromacy



Original Color

39.6031, 55.8450, 55.1462



Protanomaly

45.8548, 54.4016, 50.7316



Deuteranomaly

47.8491, 53.9117, 56.5993



Tritanomaly

42.6296, 55.5534, 70.7634

Monochromacy



Original Color

39.6031, 55.8450, 55.1462



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.8399, 48.3874, 51.4432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6031, 55.8450, 55.1462 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(108, 216, 186)` looks like.

```
.text, #text, p{  
    color:rgb(108, 216, 186)  
}
```

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(108, 216, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 216, 186) }
```

Border

The CSS property to change the border of an element to XYZ 39.6031, 55.8450, 55.1462 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(108, 216, 186) }
```


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

```
.border{ border-color:rgb(108, 216, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 216, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 216, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 216, 186); box-shadow:4px 4px 4px 4px rgb(108, 216, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6031, 55.8450, 55.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 216, 186) }
```

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

```
.background{ background-color: rgb(108,  
216, 186) }
```

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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