

Converting Colors

XYZ(39.9031, 56.3775, 68.8834)

Have a look what the booklet for
XYZ(39.9031, 56.3775, 68.8834)
contains.

XYZ(39.9734, 56.4956, 69.1195)	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(39.9734, 56.4956,
69.1195)**

Conversions

Conversions Part 1

Format	Color
Hex	51DAD1
RGB	81, 218, 209
RGB Percent	32%, 85%, 82%
CMY	0.6823, 0.1451, 0.1804
CMYK	0.63, 0.00, 0.04, 0.15
HSL	176°, 65%, 59%
HSV	176°, 63%, 85%
XYZ	39.9734, 56.4956, 69.1195
YIQ	176.0110, -78.7630, -31.8430

Conversions

Conversions Part 2

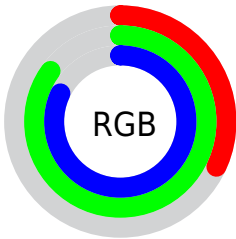
Format	Color
RYB	81, 152, 218
Decimal	5364433
CIELab	79.90, -38.73, -6.55
CIELCh	80, 39.280, 189.600
Yxy	56.4956, 0.2414, 0.3412
Android (android.graphics.Color)	4283554513 (0xFF51DAD1)
YUV	176.0110, 16.2636, -83.3246
Hunter-Lab	75.1636, -36.6065, -1.9079

Details

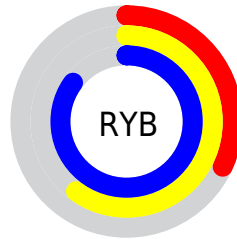
The XYZ color **39.9734, 56.4956, 69.1195** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.7033, 21.5302, 12.0543**, and the grayscale version is **41.2217, 43.3684, 47.2282**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **18.8367, 28.2072, 35.4621** is the 20% darker color. If you saturate the color by 10%, you get **38.2204, 55.6136, 68.1170**, and if you desaturate by 10%, it is **42.3308, 57.6916, 70.1612**.

Distribution



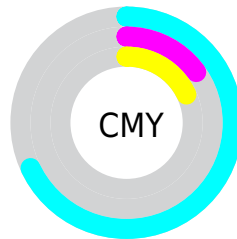
- Red (32%)
- Green (85%)
- Blue (82%)



- Red (32%)
- Yellow (60%)
- Blue (85%)



- Cyan (63%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)



- Cyan (68%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9734, 56.4956, 69.1195 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 39.9734, 56.4956, 69.1195 by changing the saturation by 10% instead.

39.9734, 56.4956,
69.1195

39.9734, 56.4956,
69.1195

337.1478,
411.5566, 476.1577

27.7019, 40.6004,
50.3367

74.4076, 99.7288,
119.6216

18.2404, 28.0070,
35.3079

97.3010, 127.8357,
152.1779

11.2234, 18.3309,
23.6147

124.4658,
160.7818, 190.1624

6.2857, 11.1878,
14.8385

156.2674,
198.9517, 233.9937

3.0619, 6.1933,
8.5608

193.0710,
242.7298, 284.0904

1.1866, 2.9630,
4.3629

235.2420,

0.0957, 1.1124,

292.5003, 340.8709

1.8265

283.1458,
348.6478, 404.7538

■ 0.0000, 0.0000,
0.4453

■ 0.0000, 0.0000,
0.0000

■ 39.9734, 56.4956,
69.1195

■ 39.9734, 56.4956,
69.1195

■ 38.2204, 55.6136,
68.1170

■ 42.3308, 57.6916,
70.1612

■ 37.0071, 55.0083,
67.1467


■ 45.3394, 59.2218,
71.2404


■ 36.2631, 54.6448,
66.2067


■ 49.0473, 61.1124,
72.3607


■ 35.9329, 54.4888,
65.5484


■ 53.4965, 63.3848,
73.5241

 58.7256, 66.0592,
74.7325

 64.7709, 69.1542,
75.9874

 71.6659, 72.6870,
77.2906

 79.2918, 76.5964,
78.6364

 79.4829, 76.6728,
79.6428

Harmonies

Analogous

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



40.5890, 56.4956, 47.4627



39.9734, 56.4956, 69.1195



42.7446, 56.4956, 93.9063

Triad

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



39.9734, 56.4956, 69.1195



64.0585, 56.4956, 101.8560



59.2121, 56.4956, 28.8924

Complementary

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



39.9734, 56.4956, 69.1195



33.7033, 21.5302, 12.0543

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.



66.3774, 56.4956, 37.5861



39.9734, 56.4956, 69.1195



69.3617, 56.4956, 78.0965

Square

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



39.9734, 56.4956, 69.1195



56.2911, 56.4956, 115.6592



70.2499, 56.4956, 54.4881



51.1845, 56.4956, 27.6212

Rectangle

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



39.9734, 56.4956, 69.1195



46.3174, 56.4956, 107.6069



70.2499, 56.4956, 54.4881



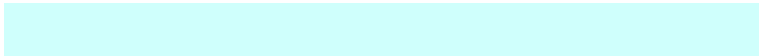
61.8224, 56.4956, 30.9187

Sweetspot

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



39.9751, 56.4978, 69.1208



78.9082, 91.7373, 105.4911



30.7879, 52.9195, 16.3778



16.4484, 19.4100, 22.4741



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.



39.9751, 56.4978, 69.1208



53.9503, 79.0385, 96.7583



28.3853, 31.4839, 70.9130



13.4060, 14.8140, 16.6009



21.5425, 32.6496, 39.3518



1.4070, 2.1198, 2.6093

Inverse Universe

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



33.7033, 21.5302, 12.0543



44.3749, 25.4249, 9.4641



39.8325, 34.3653, 12.3198



13.0906, 13.0653, 13.7382



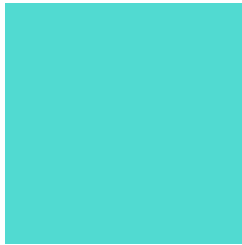
17.3849, 8.9550, 1.1409



1.1387, 0.5851, 0.1395

Previews

White Background



This preview shows how the XYZ color 39.9734, 56.4956, 69.1195 looks on a white background.

Color Contrast Check

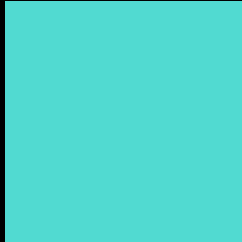
Large Text (above 18pt) WCAG AA × Fail

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 39.9734, 56.4956, 69.1195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

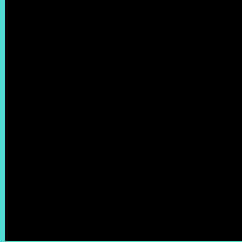
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

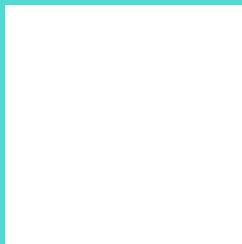
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9734, 56.4956, 69.1195

Background



This preview shows how black text looks on a background with the XYZ color 39.9734, 56.4956, 69.1195.

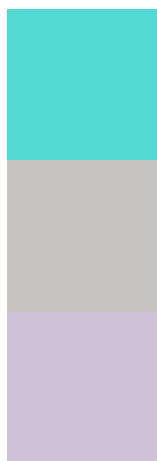


This preview shows how white text looks on a background with the XYZ color 39.9734, 56.4956,

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

39.9734, 56.4956, 69.1195

Protanopia

53.5232, 55.7447, 60.1634

Deuteranopia

56.6287, 55.4333, 72.0050



Tritanopia

43.1803, 56.6512, 85.0029

Trichromacy



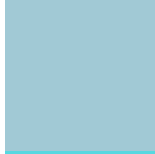
Original Color

39.9734, 56.4956, 69.1195



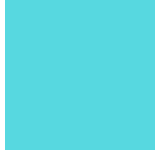
Protanomaly

46.0401, 54.5709, 63.3650



Deuteranomaly

47.5948, 54.1545, 70.8951



Tritanomaly

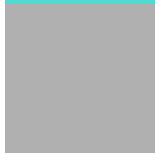
41.9409, 56.5198, 79.2199

Monochromacy



Original Color

39.9734, 56.4956, 69.1195



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.6924, 46.5552, 54.5237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9734, 56.4956, 69.1195 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(81, 218, 209)` looks like.

```
.text, #text, p{  
    color:rgb(81, 218, 209)  
}
```

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(81, 218, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 218, 209) }
```

Border

The CSS property to change the border of an element to XYZ 39.9734, 56.4956, 69.1195 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(81, 218, 209) }
```


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

```
.border{ border-color:rgb(81, 218, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 218, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 218, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 218, 209);  
box-shadow:4px 4px 4px 4px rgb(81, 218,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9734, 56.4956, 69.1195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 218, 209) }
```

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

```
.background{ background-color: rgb(81, 218,  
209) }
```

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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