

Converting Colors

XYZ(39.0538, 56.5705, 67.0693)

Have a look what the booklet for
XYZ(39.0538, 56.5705, 67.0693)
contains.

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Color

**XYZ(38.9979, 56.4214,
67.2275)**

Conversions

Conversions Part 1

Format	Color
Hex	46DBCE
RGB	70, 219, 206
RGB Percent	27%, 86%, 81%
CMY	0.7255, 0.1412, 0.1922
CMYK	0.68, 0.00, 0.06, 0.14
HSL	175°, 67%, 57%
HSV	175°, 68%, 86%
XYZ	38.9979, 56.4214, 67.2275
YIQ	172.9670, -84.6310, -35.6310

Conversions

Conversions Part 2

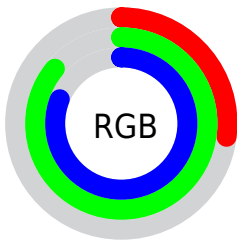
Format	Color
RYB	70, 148, 219
Decimal	4643790
CIELab	79.85, -41.62, -5.04
CIELCh	80, 41.925, 186.905
Yxy	56.4214, 0.2398, 0.3469
Android (android.graphics.Color)	4282833870 (0xFF46DBCE)
YUV	172.9670, 16.2853, -90.3021
Hunter-Lab	75.1142, -38.7759, -0.4849

Details

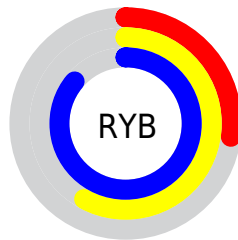
The XYZ color **38.9979, 56.4214, 67.2275** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.9668, 20.0666, 10.3213**, and the grayscale version is **39.6561, 41.7213, 45.4345**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **18.7647, 28.4614, 34.2104** is the 20% darker color. If you saturate the color by 10%, you get **37.4664, 55.6598, 65.9524**, and if you desaturate by 10%, it is **41.1113, 57.4852, 68.5471**.

Distribution



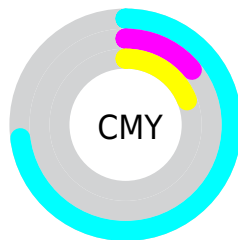
- Red (27%)
- Green (86%)
- Blue (81%)



- Red (27%)
- Yellow (58%)
- Blue (86%)



- Cyan (68%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)





- Cyan (73%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9979, 56.4214, 67.2275 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 38.9979, 56.4214, 67.2275 by changing the saturation by 10% instead.


 38.9979, 56.4214,
67.2275


 38.9979, 56.4214,
67.2275


333.0889,
411.2777, 469.2777


 26.9388, 40.5409,
48.8068


 72.9292, 99.6204,
116.8901


 17.6636, 27.9605,
34.1017


 95.5321, 127.7078,
148.9690

 10.8070, 18.2959,
22.6937


 122.3804,
160.6328, 186.4378

 6.0035, 11.1626,
14.1644

 153.8393,
198.7800, 229.7149

 2.8879, 6.1763,
8.0950

190.2743,
242.5336, 279.2189

 1.0948, 2.9526,
4.0672

232.0506,

 0.0207, 1.1070,

292.2782, 335.3683

1.6623

279.5337,
348.3981, 398.5817

■ 0.0000, 0.0000,
0.3347

■ 0.0000, 0.0000,
0.0000

■ 38.9979, 56.4214,
67.2275

■ 38.9979, 56.4214,
67.2275

■ 37.4664, 55.6598,
65.9524

■ 41.1113, 57.4852,
68.5471

■ 36.4457, 55.1600,
64.7145


■ 43.8579, 58.8738,
69.9099


■ 35.8431, 54.8753,
63.5109


■ 47.2888, 60.6149,
71.3196


■ 35.7452, 54.8300,
63.2769


■ 51.4487, 62.7314,
72.7783

 56.3783, 65.2444,
74.2879

 62.1156, 68.1734,
75.8504

 68.6958, 71.5367,
77.4673

 76.1521, 75.3512,
79.1403

 79.9189, 77.2635,
80.6558

Harmonies

Analogous

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



39.9681, 56.4214, 44.8582



38.9979, 56.4214, 67.2275



41.6033, 56.4214, 94.0028

Triad

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



38.9979, 56.4214, 67.2275



64.0394, 56.4214, 106.9161



60.2888, 56.4214, 27.6815

Complementary

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



38.9979, 56.4214, 67.2275



32.9668, 20.0666, 10.3213

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.



67.7688, 56.4214, 37.4176



38.9979, 56.4214, 67.2275



70.0890, 56.4214, 81.6583

Square

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



38.9979, 56.4214, 67.2275



55.6136, 56.4214, 120.5189



71.5211, 56.4214, 55.9820



51.6880, 56.4214, 25.7264

Rectangle

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



38.9979, 56.4214, 67.2275



45.1976, 56.4214, 109.5166



71.5211, 56.4214, 55.9820



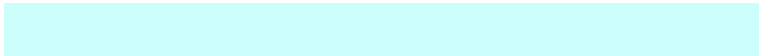
63.0439, 56.4214, 29.9991

Sweetspot

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



38.9996, 56.4236, 67.2288



78.0035, 91.2940, 104.4052



30.1761, 53.0341, 14.4418



16.2640, 19.3204, 22.2171



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.



38.9996, 56.4236, 67.2288



52.1322, 78.1985, 92.2779



27.7809, 31.3529, 71.6078



13.3933, 14.8089, 16.5341



21.2151, 32.5187, 37.6276



1.3891, 2.1126, 2.5152

Inverse Universe

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



32.9668, 20.0666, 10.3213



43.1427, 23.5780, 7.1496



38.2506, 31.3636, 9.8334



13.1019, 13.0699, 13.7981



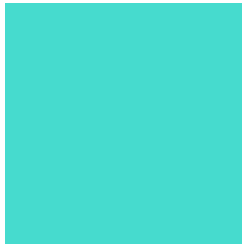
17.4093, 8.9648, 1.2697



1.1442, 0.5873, 0.1681

Previews

White Background



This preview shows how the XYZ color 38.9979, 56.4214, 67.2275 looks on a white background.

Color Contrast Check

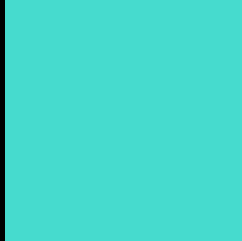
Large Text (above 18pt) WCAG AA × Fail

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 38.9979, 56.4214, 67.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

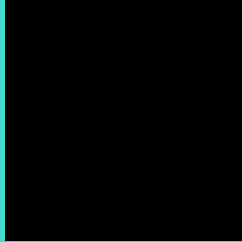
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

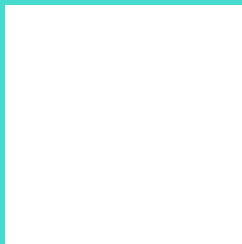
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9979, 56.4214, 67.2275

Background



This preview shows how black text looks on a background with the XYZ color 38.9979, 56.4214, 67.2275.

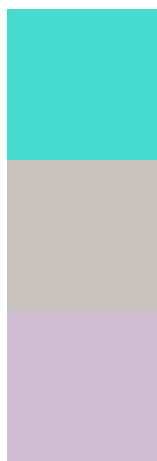


This preview shows how white text looks on a background with the XYZ color 38.9979, 56.4214,

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

38.9979, 56.4214, 67.2275

Protanopia

53.1169, 55.2535, 57.7346

Deuteranopia

56.5269, 55.4250, 70.0062



Tritanopia

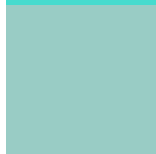
42.6646, 56.3689, 85.7224

Trichromacy



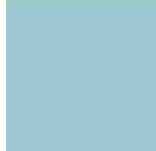
Original Color

38.9979, 56.4214, 67.2275



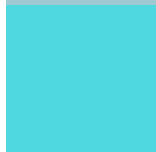
Protanomaly

44.8078, 53.9893, 60.8827



Deuteranomaly

46.6201, 53.6955, 68.8799



Tritanomaly

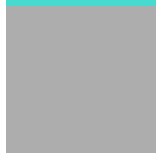
41.0996, 56.1017, 78.4746

Monochromacy



Original Color

38.9979, 56.4214, 67.2275



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.3238, 45.5639, 52.7265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9979, 56.4214, 67.2275 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(70, 219, 206)` looks like.

```
.text, #text, p{  
    color:rgb(70, 219, 206)  
}
```

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(70, 219, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 219, 206) }
```

Border

The CSS property to change the border of an element to XYZ 38.9979, 56.4214, 67.2275 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(70, 219, 206) }
```


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

```
.border{ border-color:rgb(70, 219, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 219, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 219, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 219, 206);  
box-shadow:4px 4px 4px 4px rgb(70, 219,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9979, 56.4214, 67.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 219, 206) }
```

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

```
.background{ background-color: rgb(70, 219,  
206) }
```

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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