

Converting Colors

XYZ(38.8136, 56.7775, 61.5738)

Have a look what the booklet for
XYZ(38.8136, 56.7775, 61.5738)
contains.

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Color

**XYZ(38.8957, 56.8799,
61.7522)**

Conversions

Conversions Part 1

Format	Color
Hex	4FDCC5
RGB	79, 220, 197
RGB Percent	31%, 86%, 77%
CMY	0.6902, 0.1372, 0.2274
CMYK	0.64, 0.00, 0.10, 0.14
HSL	170°, 67%, 59%
HSV	170°, 64%, 86%
XYZ	38.8957, 56.8799, 61.7522
YIQ	175.2190, -76.6530, -37.0450

Conversions

Conversions Part 2

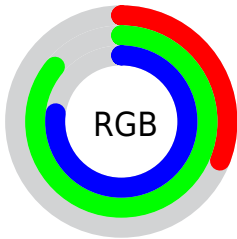
Format	Color
RYB	79, 156, 220
Decimal	5233861
CIELab	80.11, -43.06, 0.16
CIELCh	80, 43.062, 179.786
Yxy	56.8799, 0.2469, 0.3611
Android (android.graphics.Color)	4283423941 (0xFF4FDCC5)
YUV	175.2190, 10.7380, -84.3841
Hunter-Lab	75.4188, -39.9251, 4.2470

Details

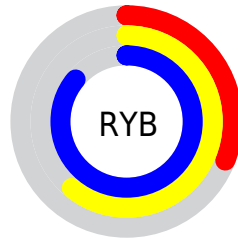
The XYZ color **38.8957, 56.8799, 61.7522** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.7114, 21.7685, 14.9447**, and the grayscale version is **40.8372, 42.9639, 46.7877**.

A 20% lighter version of the original color is **64.9771, 84.5154, 106.6544**, and **18.2334, 28.5341, 30.5332** is the 20% darker color. If you saturate the color by 10%, you get **36.9536, 55.9270, 59.5410**, and if you desaturate by 10%, it is **41.4562, 58.1532, 64.0459**.

Distribution



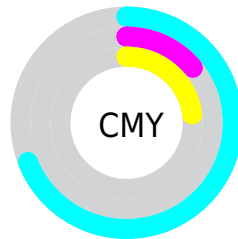
- Red (31%)
- Green (86%)
- Blue (77%)



- Red (31%)
- Yellow (61%)
- Blue (86%)



- Cyan (64%)
- Magenta (0%)
- Yellow (10%)
- Black (14%)




- Cyan (69%)
- Magenta (14%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8957, 56.8799, 61.7522 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 38.8957, 56.8799, 61.7522 by changing the saturation by 10% instead.


 38.8957, 56.8799,
61.7522


 38.8957, 56.8799,
61.7522


332.6617,
412.9991, 449.0093


 26.8590, 40.9088,
44.3980


 72.7740, 100.2899,
108.9354


 17.6034, 28.2478,
30.6440


 95.3464, 128.4977,
139.6015

 10.7636, 18.5126,
20.0718


 122.1612,
161.5531, 175.5420

 5.9742, 11.3186,
12.2626

 153.5841,
199.8406, 217.1755

 2.8699, 6.2816,
6.7981

189.9801,
243.7445, 264.9204

 1.0853, 3.0170,
3.2596

231.7149,

 0.0128, 1.1406,

293.6493, 319.1953

1.2287

279.1536,
349.9394, 380.4188

■ 0.0000, 0.0124,
0.0022

■ 0.0000, 0.0000,
0.0000

■ 38.8957, 56.8799,
61.7522

■ 38.8957, 56.8799,
61.7522

■ 36.9536, 55.9270,
59.5410

■ 41.4562, 58.1532,
64.0459

■ 35.5624, 55.2557,
57.4052


■ 44.6842, 59.7680,
66.4211

■ 34.6481, 54.8290,
55.3420


■ 48.6292, 61.7514,
68.8817


■ 34.2577, 54.6537,
54.1530


■ 53.3349, 64.1257,
71.4300

 58.8413, 66.9117,
74.0683

 65.1857, 70.1285,
76.7986

 72.4028, 73.7940,
79.6229

 80.5224, 77.9236,
82.5429

 81.0194, 78.1224,
85.1600

Harmonies

Analogous

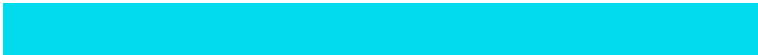
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.7636, 56.8799, 40.6742



38.8957, 56.8799, 61.7522



40.7114, 56.8799, 89.1464

Triad

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



38.8957, 56.8799, 61.7522



62.8772, 56.8799, 113.9971



62.9980, 56.8799, 28.8776

Complementary

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



38.8957, 56.8799, 61.7522



34.7114, 21.7685, 14.9447

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.



70.0538, 56.8799, 40.9109



38.8957, 56.8799, 61.7522



69.9789, 56.8799, 89.5456

Square

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



38.8957, 56.8799, 61.7522



53.9996, 56.8799, 123.8476



72.7343, 56.8799, 62.1132



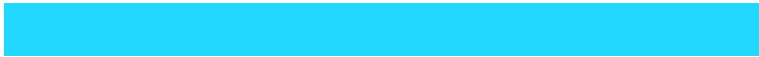
54.1257, 56.8799, 25.1106

Rectangle

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



38.8957, 56.8799, 61.7522



43.8920, 56.8799, 106.6029



72.7343, 56.8799, 62.1132



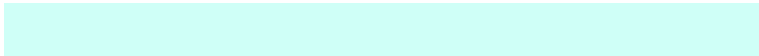
65.6943, 56.8799, 31.8952

Sweetspot

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



38.8973, 56.8821, 61.7535



78.1699, 91.4420, 101.6034



32.5426, 54.6073, 16.2234



16.2674, 19.3376, 21.5210



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.



38.8973, 56.8821, 61.7535



50.8579, 77.7651, 82.1191



31.0881, 36.7189, 73.1616



13.3489, 14.7912, 16.3001



20.1399, 32.0886, 31.9656



1.3296, 2.0888, 2.2019

Inverse Universe

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



34.7114, 21.7685, 14.9447



44.6607, 25.1019, 12.3170



38.3893, 30.7039, 11.3014



13.1423, 13.0860, 14.0104



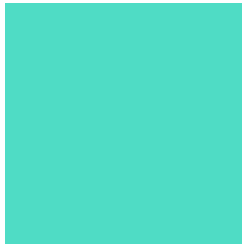
17.5352, 9.0151, 1.9327



1.1632, 0.5949, 0.2685

Previews

White Background



This preview shows how the XYZ color 38.8957, 56.8799, 61.7522 looks on a white background.

Color Contrast Check

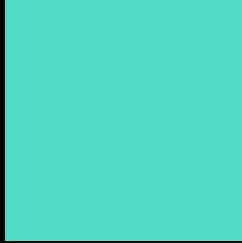
Large Text (above 18pt) WCAG AA × Fail

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 38.8957, 56.8799, 61.7522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

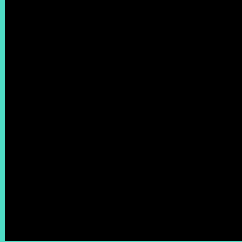
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

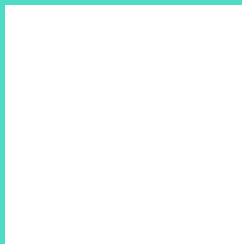
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8957, 56.8799, 61.7522

Background



This preview shows how black text looks on a background with the XYZ color 38.8957, 56.8799, 61.7522.

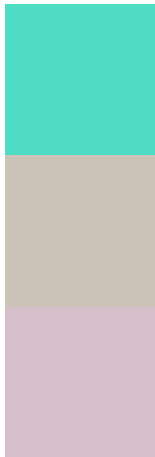


This preview shows how white text looks on a background with the XYZ color 38.8957, 56.8799,

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

38.8957, 56.8799, 61.7522

Protanopia

53.2935, 55.7779, 53.3047

Deuteranopia

56.8509, 55.7195, 64.2585



Tritanopia

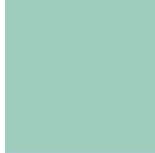
43.4820, 56.8068, 85.0170

Trichromacy



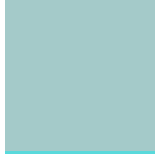
Original Color

38.8957, 56.8799, 61.7522



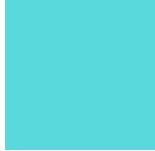
Protanomaly

45.3147, 54.7077, 56.3154



Deuteranomaly

46.9730, 54.3506, 63.2733



Tritanomaly

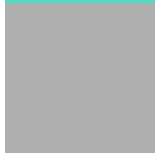
41.7189, 56.8640, 75.7949

Monochromacy



Original Color

38.8957, 56.8799, 61.7522



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.9933, 46.2559, 51.7256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8957, 56.8799, 61.7522 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(79, 220, 197)` looks like.

```
.text, #text, p{  
  color:rgb(79, 220, 197)  
}
```

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(79, 220, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 220, 197) }
```

Border

The CSS property to change the border of an element to XYZ 38.8957, 56.8799, 61.7522 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(79, 220, 197) }
```


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

```
.border{ border-color:rgb(79, 220, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 220, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 220, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 220, 197);  
box-shadow:4px 4px 4px 4px rgb(79, 220,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8957, 56.8799, 61.7522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 220, 197) }
```

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

```
.background{ background-color: rgb(79, 220,  
197) }
```

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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