

Converting Colors

XYZ(38.6964, 56.8527, 59.2360)

Have a look what the booklet for
XYZ(38.6964, 56.8527, 59.2360)
contains.

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Color

**XYZ(38.6985, 56.8305,
59.3818)**

Conversions

Conversions Part 1

Format	Color
Hex	52DCC1
RGB	82, 220, 193
RGB Percent	32%, 86%, 76%
CMY	0.6784, 0.1372, 0.2431
CMYK	0.63, 0.00, 0.12, 0.14
HSL	168°, 66%, 59%
HSV	168°, 63%, 86%
XYZ	38.6985, 56.8305, 59.3818
YIQ	175.6600, -73.5810, -37.6530

Conversions

Conversions Part 2

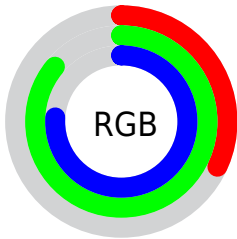
Format	Color
R_{YB}	82, 158, 220
Decimal	5430465
CIE _{Lab}	80.08, -43.57, 2.26
CIE _{LCh}	80, 43.629, 177.032
Yxy	56.8305, 0.2498, 0.3669
Android (android.graphics.Color)	4283620545 (0xFF52DCC1)
YUV	175.6600, 8.5486, -82.1398
Hunter-Lab	75.3860, -40.2947, 6.0673

Details

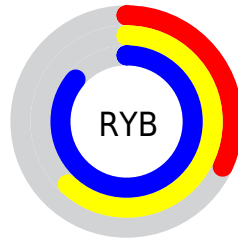
The XYZ color **38.6985, 56.8305, 59.3818** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted cyan. A complement of this color would be **35.2947, 22.3559, 16.9250**, and the grayscale version is **41.0758, 43.2149, 47.0610**.

A 20% lighter version of the original color is **64.5359, 84.3793, 102.5080**, and **18.0091, 28.4444, 29.3521** is the 20% darker color. If you saturate the color by 10%, you get **36.6104, 55.8101, 56.8146**, and if you desaturate by 10%, it is **41.4169, 58.1770, 62.0540**.

Distribution



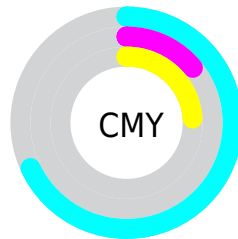
- Red (32%)
- Green (86%)
- Blue (76%)



- Red (32%)
- Yellow (62%)
- Blue (86%)



- Cyan (63%)
- Magenta (0%)
- Yellow (12%)
- Black (14%)





- Cyan (68%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6985, 56.8305, 59.3818 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 38.6985, 56.8305, 59.3818 by changing the saturation by 10% instead.


 38.6985, 56.8305,
59.3818


 38.6985, 56.8305,
59.3818


331.8362,
412.8139, 440.0566


 26.7049, 40.8692,
42.4985


 72.4745, 100.2178,
105.4669


 17.4872, 28.2169,
29.1634


 94.9877, 128.4126,
135.5059

 10.6799, 18.4892,
18.9578


 121.7381,
161.4540, 170.7671

 5.9177, 11.3018,
11.4633

 153.0911,
199.7264, 211.6692

 2.8353, 6.2702,
6.2613

189.4121,
243.6142, 258.6306

 1.0673, 3.0101,
2.9332

231.0663,

 0.0000, 1.1370,

293.5018, 312.0699

1.0607

278.4193,
349.7735, 372.4058

■ 0.0000, 0.0093,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.6985, 56.8305,
59.3818

■ 38.6985, 56.8305,
59.3818

■ 36.6104, 55.8101,
56.8146

■ 41.4169, 58.1770,
62.0540

■ 35.0865, 55.0776,
54.3450


■ 44.8139, 59.8703,
64.8302


■ 34.0550, 54.5974,
51.9701


■ 48.9384, 61.9370,
67.7147


■ 33.5256, 54.3609,
50.2975


■ 53.8336, 64.3993,
70.7101

 59.5390, 67.2777,
73.8187

 66.0918, 70.5911,
77.0429

 73.5264, 74.3575,
80.3848

 80.7601, 78.0187,
83.7944

 81.3634, 78.2600,
86.9714

Harmonies

Analogous

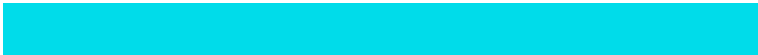
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.9223, 56.8305, 38.9054



38.6985, 56.8305, 59.3818



40.1922, 56.8305, 86.8640

Triad

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



38.6985, 56.8305, 59.3818



62.1515, 56.8305, 116.4415



63.8477, 56.8305, 29.2573

Complementary

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



38.6985, 56.8305, 59.3818



35.2947, 22.3559, 16.9250

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.



70.6929, 56.8305, 42.2126



38.6985, 56.8305, 59.3818



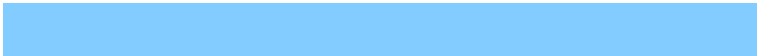
69.6406, 56.8305, 92.4775

Square

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



38.6985, 56.8305, 59.3818



53.1366, 56.8305, 124.6689



72.9198, 56.8305, 64.4447



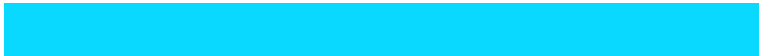
54.9044, 56.8305, 24.7704

Rectangle

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



38.6985, 56.8305, 59.3818



43.1959, 56.8305, 104.9894



72.9198, 56.8305, 64.4447



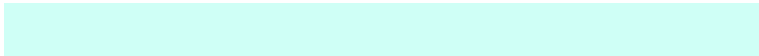
66.5063, 56.8305, 32.5560

Sweetspot

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



38.7001, 56.8327, 59.3831



77.9275, 91.3450, 100.3270



33.4987, 55.0873, 16.8511



16.2081, 19.3139, 21.2088



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.



38.7001, 56.8327, 59.3831



50.4579, 77.6415, 78.3676



32.4398, 39.0433, 73.5390



13.3299, 14.7836, 16.2004



19.7151, 31.9187, 29.7287



1.3057, 2.0792, 2.0761

Inverse Universe

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



35.2947, 22.3559, 16.9250



45.4167, 25.8416, 14.9503



38.1728, 30.0921, 11.7801



13.1597, 13.0930, 14.1020



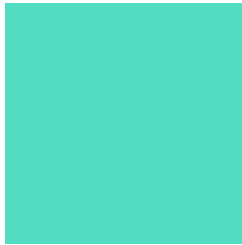
17.6099, 9.0450, 2.3257



1.1714, 0.5982, 0.3116

Previews

White Background



This preview shows how the XYZ color 38.6985, 56.8305, 59.3818 looks on a white background.

Color Contrast Check

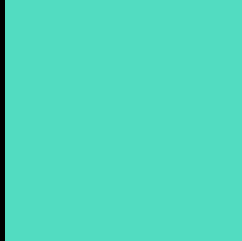
Large Text (above 18pt) WCAG AA × Fail

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 38.6985, 56.8305, 59.3818 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

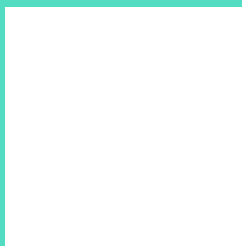
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6985, 56.8305, 59.3818

Background



This preview shows how black text looks on a background with the XYZ color 38.6985, 56.8305, 59.3818.



This preview shows how white text looks on a background with the XYZ color 38.6985, 56.8305,

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

38.6985, 56.8305, 59.3818

Protanopia

53.1550, 55.7543, 51.1401

Deuteranopia

56.9639, 55.8322, 61.8072



Tritanopia

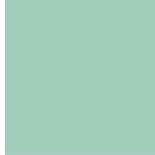
43.6491, 56.5160, 84.9521

Trichromacy



Original Color

38.6985, 56.8305, 59.3818



Protanomaly

45.0855, 54.6390, 54.0691



Deuteranomaly

47.1349, 54.4878, 60.8562



Tritanomaly

41.6244, 56.4490, 75.0316

Monochromacy



Original Color

38.6985, 56.8305, 59.3818



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.4485, 46.8275, 51.2681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6985, 56.8305, 59.3818 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(82, 220, 193)` looks like.

```
.text, #text, p{  
    color:rgb(82, 220, 193)  
}
```

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(82, 220, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 220, 193) }
```

Border

The CSS property to change the border of an element to XYZ 38.6985, 56.8305, 59.3818 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(82, 220, 193) }
```


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

```
.border{ border-color:rgb(82, 220, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 220, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 220, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 220, 193);  
box-shadow:4px 4px 4px 4px rgb(82, 220,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6985, 56.8305, 59.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 220, 193) }
```

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

```
.background{ background-color: rgb(82, 220,  
193) }
```

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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