

Converting Colors

XYZ(38.4229, 53.4766, 68.7518)

Have a look what the booklet for
XYZ(38.4229, 53.4766, 68.7518)
contains.

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Color

**XYZ(38.3604, 53.3959,
68.6062)**

Conversions

Conversions Part 1

Format	Color
Hex	50D4D1
RGB	80, 212, 209
RGB Percent	31%, 83%, 82%
CMY	0.6862, 0.1686, 0.1804
CMYK	0.62, 0.00, 0.01, 0.17
HSL	179°, 61%, 57%
HSV	179°, 62%, 83%
XYZ	38.3604, 53.3959, 68.6062
YIQ	172.1900, -77.7090, -28.9170

Conversions

Conversions Part 2

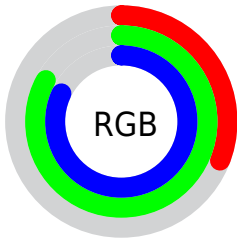
Format	Color
RYB	80, 147, 212
Decimal	5297361
CIELab	78.11, -36.14, -9.21
CIElCh	78, 37.289, 194.292
Yxy	53.3959, 0.2392, 0.3330
Android (android.graphics.Color)	4283487441 (0xFF50D4D1)
YUV	172.1900, 18.1473, -80.8506
Hunter-Lab	73.0725, -34.1709, -4.5154

Details

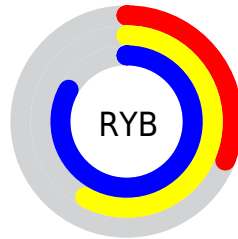
The XYZ color **38.3604, 53.3959, 68.6062** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.5832, 20.3606, 10.4509**, and the grayscale version is **39.2498, 41.2938, 44.9690**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **17.9734, 26.4805, 35.1743** is the 20% darker color. If you saturate the color by 10%, you get **36.7857, 52.5922, 68.2225**, and if you desaturate by 10%, it is **40.5030, 54.4948, 69.0198**.

Distribution



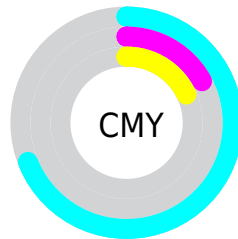
- Red (31%)
- Green (83%)
- Blue (82%)



- Red (31%)
- Yellow (58%)
- Blue (83%)



- Cyan (62%)
- Magenta (0%)
- Yellow (1%)
- Black (17%)





- Cyan (69%)
- Magenta (17%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3604, 53.3959, 68.6062 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 38.3604, 53.3959, 68.6062 by changing the saturation by 10% instead.


 38.3604, 53.3959,
68.6062


 38.3604, 53.3959,
68.6062


330.4177,
399.8022, 474.2971


 26.4410, 38.1189,
49.9213


 71.9605, 95.1867,
118.8813

 17.2883, 26.0750,
34.9801


 94.3720, 122.4693,
151.3087

 10.5368, 16.8798,
23.3641


 121.0115,
154.5225, 189.1539

 5.8213, 10.1488,
14.6548

 152.2445,
191.7308, 232.8355

 2.7763, 5.4977,
8.4335

188.4362,
234.4785, 282.7721

 1.0366, 2.5421,
4.2819

229.9521,

 0.0000, 0.8977,

283.1500, 339.3822

1.7812

277.1575,
338.1298, 403.0843

■ 0.0000, 0.0000,
0.4155

■ 0.0000, 0.0000,
0.0000

■ 38.3604, 53.3959,
68.6062

■ 38.3604, 53.3959,
68.6062

■ 36.7857, 52.5922,
68.2225

■ 40.5030, 54.4948,
69.0198

■ 35.7189, 52.0491,
67.8624


■ 43.2568, 55.9075,
69.4617


■ 35.0955, 51.7346,
67.5239


■ 46.6664, 57.6582,
69.9353


■ 34.8291, 51.6025,
67.2727


■ 50.7707, 59.7671,
70.4423

 55.6058, 62.2527,
70.9845

 61.2053, 65.1323,
71.5634

 67.6006, 68.4222,
72.1805

 74.8213, 72.1376,
72.8371

 76.8379, 73.1700,
73.2512

Harmonies

Analogous

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



38.4348, 53.3959, 47.9478



38.3604, 53.3959, 68.6062



41.3775, 53.3959, 90.8630

Triad

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



38.3604, 53.3959, 68.6062



61.1658, 53.3959, 91.8101



54.6357, 53.3959, 27.4590

Complementary

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



38.3604, 53.3959, 68.6062



31.5832, 20.3606, 10.4509

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.



61.4434, 53.3959, 34.3996



38.3604, 53.3959, 68.6062



65.4523, 53.3959, 69.6808

Square

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



38.3604, 53.3959, 68.6062



54.2853, 53.3959, 106.2760



65.5585, 53.3959, 48.7947



47.3739, 53.3959, 27.3038

Rectangle

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



38.3604, 53.3959, 68.6062



44.9186, 53.3959, 102.2506



65.5585, 53.3959, 48.7947



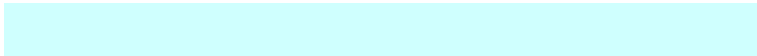
57.0680, 53.3959, 28.9849

Sweetspot

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



38.3620, 53.3979, 68.6075



79.2397, 91.8699, 107.2367



28.6853, 49.5716, 15.6472



16.5299, 19.4426, 22.9033



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.



38.3620, 53.3979, 68.6075



55.2157, 79.5446, 103.4217



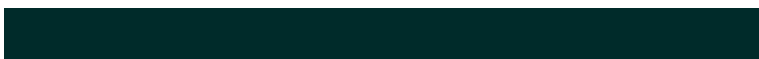
26.1641, 28.4017, 66.3926



12.7794, 14.1028, 15.9189



21.5064, 31.8579, 41.5577



1.3011, 1.9231, 2.5274

Inverse Universe

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



31.5832, 20.3606, 10.4509



44.1058, 25.3172, 8.0469



38.2150, 33.8056, 12.1018



12.4346, 12.4253, 12.9628



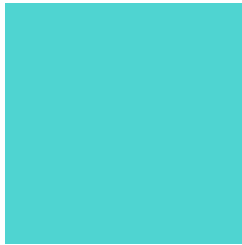
16.7832, 8.6496, 0.8965



1.0164, 0.5233, 0.0758

Previews

White Background



This preview shows how the XYZ color 38.3604, 53.3959, 68.6062 looks on a white background.

Color Contrast Check

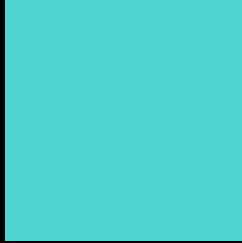
Large Text (above 18pt) WCAG AA × Fail

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 38.3604, 53.3959, 68.6062 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

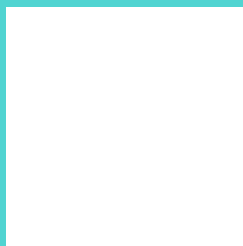
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3604, 53.3959, 68.6062

Background



This preview shows how black text looks on a background with the XYZ color 38.3604, 53.3959, 68.6062.

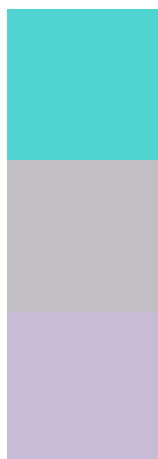


This preview shows how white text looks on a background with the XYZ color 38.3604, 53.3959,

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

38.3604, 53.3959, 68.6062

Protanopia

50.8427, 52.7165, 59.7201

Deuteranopia

53.8555, 52.7263, 71.6287



Tritanopia

40.5524, 53.1666, 80.0764

Trichromacy



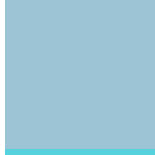
Original Color

38.3604, 53.3959, 68.6062



Protanomaly

44.1029, 51.8362, 62.9393



Deuteranomaly

45.4605, 51.3519, 70.4667



Tritanomaly

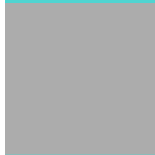
39.7112, 53.1918, 75.8842

Monochromacy



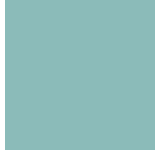
Original Color

38.3604, 53.3959, 68.6062



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.1747, 44.5324, 52.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3604, 53.3959, 68.6062 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(80, 212, 209)` looks like.

```
.text, #text, p{  
    color:rgb(80, 212, 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(80, 212, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 212, 209) }
```

Border

The CSS property to change the border of an element to XYZ 38.3604, 53.3959, 68.6062 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(80, 212, 209) }
```


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

```
.border{ border-color:rgb(80, 212, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 212, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 212, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 212, 209);  
box-shadow:4px 4px 4px 4px rgb(80, 212,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3604, 53.3959, 68.6062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 212, 209) }
```

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

```
.background{ background-color: rgb(80, 212,  
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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