

Converting Colors

XYZ(38.6061, 50.8120, 50.2285)

Have a look what the booklet for
XYZ(38.6061, 50.8120, 50.2285)
contains.

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Color

**XYZ(38.5459, 50.6337,
50.3895)**

Conversions

Conversions Part 1

Format	Color
Hex	81CBB3
RGB	129, 203, 179
RGB Percent	51%, 80%, 70%
CMY	0.4941, 0.2039, 0.2980
CMYK	0.36, 0.00, 0.12, 0.20
HSL	161°, 42%, 65%
HSV	161°, 36%, 80%
XYZ	38.5459, 50.6337, 50.3895
YIQ	178.1380, -36.4000, -23.1520

Conversions

Conversions Part 2

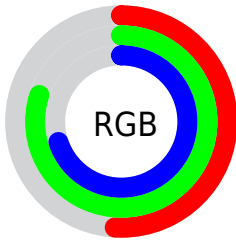
Format	Color
RYB	129, 173, 203
Decimal	8506291
CIELab	76.46, -28.42, 4.71
CIElCh	76, 28.809, 170.594
Yxy	50.6337, 0.2762, 0.3628
Android (android.graphics.Color)	4286696371 (0xFF81CBB3)
YUV	178.1380, 0.4250, -43.0940
Hunter-Lab	71.1574, -27.8320, 7.8244

Details

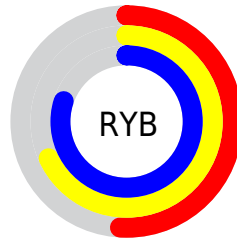
The XYZ color **38.5459, 50.6337, 50.3895** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.2304, 30.6983, 34.0495**, and the grayscale version is **42.4027, 44.6110, 48.5813**.

A 20% lighter version of the original color is **70.5226, 87.7085, 91.8098**, and **17.4150, 24.4971, 23.5492** is the 20% darker color. If you saturate the color by 10%, you get **35.1135, 48.9407, 46.8359**, and if you desaturate by 10%, it is **42.6256, 52.6594, 54.1416**.

Distribution



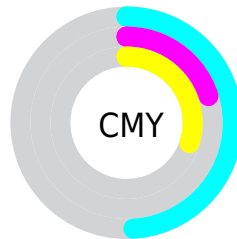
- Red (51%)
- Green (80%)
- Blue (70%)



- Red (51%)
- Yellow (68%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)



- Cyan (49%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5459, 50.6337, 50.3895 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 38.5459, 50.6337, 50.3895 by changing the saturation by 10% instead.

■ 38.5459, 50.6337,
50.3895

■ 38.5459, 50.6337,
50.3895

331.1965,
389.1389, 404.9658

■ 26.5858, 35.9172,
35.3496

■ 72.2426, 91.1131,
92.1539

■ 17.3974, 24.3702,
23.6466

■ 94.7099, 117.6447,
119.7156

■ 10.6153, 15.6085,
14.8619

■ 121.4103,
148.8836, 152.2883

■ 5.8741, 9.2475,
8.5770

152.7092,
185.2139, 190.2905

■ 2.8086, 4.9030,
4.3733

188.9719,
227.0203, 234.1408

■ 1.0534, 2.1905,
1.8323

230.5638,

■ 0.0000, 0.7148,

274.6870, 284.2578

0.4491

277.8502,
328.5984, 341.0599

■ 0.0000, 0.0000,
0.0000

■ 38.5459, 50.6337,
50.3895

■ 38.5459, 50.6337,
50.3895

■ 35.1135, 48.9407,
46.8359

■ 42.6256, 52.6594,
54.1416

■ 32.2871, 47.5551,
43.4733

■ 47.3821, 55.0289,
58.0925

■ 30.0274, 46.4581,
40.2987

■ 52.8483, 57.7606,
62.2472

■ 28.2884, 45.6261,
37.3074

■ 59.0538, 60.8695,
66.6090

■ 27.0167, 45.0314,
34.4945

■ 66.0261, 64.3699,
71.1815

■ 26.1434, 44.6387,
31.8544

■ 73.7917, 68.2753,
75.9680

■ 25.8837, 44.5244,
30.9569

■ 76.2001, 69.4150,
80.6826

■ 77.1165, 69.7816,
85.5083

■ 78.0679, 70.1621,
90.5184

Harmonies

Analogous

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



40.5034, 50.6337, 38.2501



38.5459, 50.6337, 50.3895



39.0019, 50.6337, 66.3283

Triad

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



38.5459, 50.6337, 50.3895



51.8912, 50.6337, 88.1131



55.0601, 50.6337, 35.1105

Complementary

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



38.5459, 50.6337, 50.3895



38.2304, 30.6983, 34.0495

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.



58.5720, 50.6337, 45.2715



38.5459, 50.6337, 50.3895



56.6491, 50.6337, 76.3667

Square

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



38.5459, 50.6337, 50.3895



46.4402, 50.6337, 90.1911



59.1744, 50.6337, 60.1620



49.8517, 50.6337, 30.5876

Rectangle

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



38.5459, 50.6337, 50.3895



40.6276, 50.6337, 76.9587



59.1744, 50.6337, 60.1620



56.4941, 50.6337, 37.8790

Sweetspot

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



38.5473, 50.6358, 50.3907



84.0423, 94.4906, 100.9189



38.5831, 51.1364, 28.6065



17.7208, 20.0911, 21.3966



0.0000, 0.0000, 0.0000



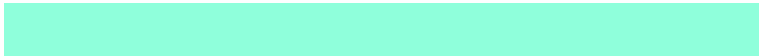
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5473, 50.6358, 50.3907



59.7877, 82.4357, 79.5081



38.3926, 46.0973, 63.3765



11.3825, 12.6627, 13.5715



16.5148, 28.3512, 19.9279



0.8858, 1.4762, 1.2064

Inverse Universe

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



38.2304, 30.6983, 34.0495



59.1886, 44.1074, 48.1437



38.1668, 33.4311, 25.2110



11.3598, 11.2727, 12.4294



16.3338, 8.3441, 4.2104



0.8775, 0.4444, 0.4005

Previews

White Background



This preview shows how the XYZ color 38.5459, 50.6337, 50.3895 looks on a white background.

Color Contrast Check

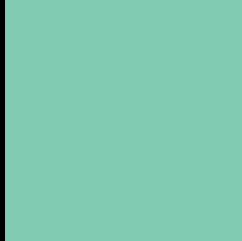
Large Text (above 18pt) WCAG AA × Fail

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 38.5459, 50.6337, 50.3895 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

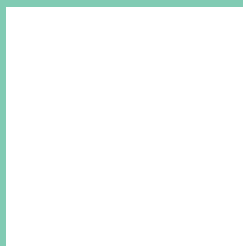
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5459, 50.6337, 50.3895

Background



This preview shows how black text looks on a background with the XYZ color 38.5459, 50.6337, 50.3895.

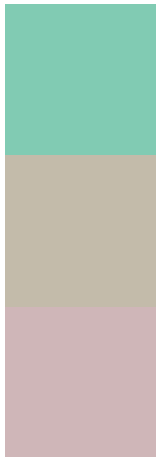


This preview shows how white text looks on a background with the XYZ color 38.5459, 50.6337,

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

38.5459, 50.6337, 50.3895

Protanopia

47.5317, 50.0450, 45.1847

Deuteranopia

51.1118, 50.1820, 52.3396



Tritanopia

42.6482, 50.5616, 71.1299

Trichromacy



Original Color

38.5459, 50.6337, 50.3895

Protanomaly

43.4074, 49.8150, 46.8626

Deuteranomaly

45.4474, 49.7880, 51.4707

Tritanomaly

41.0284, 50.5939, 62.8615

Monochromacy



Original Color

38.5459, 50.6337, 50.3895

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.3034, 46.2286, 48.9183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5459, 50.6337, 50.3895 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(129, 203, 179)` looks like.

```
.text, #text, p{  
    color:rgb(129, 203, 179)  
}
```

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(129, 203, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 203, 179) }
```

Border

The CSS property to change the border of an element to XYZ 38.5459, 50.6337, 50.3895 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(129, 203, 179) }
```


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

```
.border{ border-color:rgb(129, 203, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 203, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 203, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 203, 179); box-shadow:4px 4px 4px 4px rgb(129, 203, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5459, 50.6337, 50.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 203, 179) }
```

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

```
.background{ background-color: rgb(129,  
203, 179) }
```

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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