

Converting Colors

XYZ(38.4130, 50.8574, 53.1393)

Have a look what the booklet for
XYZ(38.4130, 50.8574, 53.1393)
contains.

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Color

**XYZ(38.4130, 50.8574,
53.1393)**

Conversions

Conversions Part 1

Format	Color
Hex	7BCCB8
RGB	123, 204, 184
RGB Percent	48%, 80%, 72%
CMY	0.5176, 0.2000, 0.2784
CMYK	0.40, 0.00, 0.10, 0.20
HSL	165°, 44%, 64%
HSV	165°, 40%, 80%
XYZ	38.4130, 50.8574, 53.1393
YIQ	177.5010, -41.8560, -23.3920

Conversions

Conversions Part 2

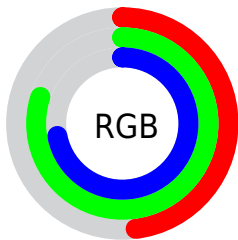
Format	Color
R_{YB}	123, 169, 204
Decimal	8113336
CIE _{Lab}	76.59, -29.43, 2.18
CIE _{LCh}	77, 29.514, 175.768
Yxy	50.8574, 0.2697, 0.3571
Android (android.graphics.Color)	4286303416 (0xFF7BCCB8)
YUV	177.5010, 3.2040, -47.7974
Hunter-Lab	71.3144, -28.6524, 5.7406

Details

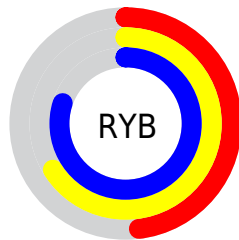
The XYZ color **38.4130, 50.8574, 53.1393** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.9445, 28.9878, 29.6366**, and the grayscale version is **42.0541, 44.2442, 48.1819**.

A 20% lighter version of the original color is **70.0786, 87.3950, 95.6135**, and **17.2281, 24.3625, 25.2672** is the 20% darker color. If you saturate the color by 10%, you get **35.2748, 49.3008, 50.2856**, and if you desaturate by 10%, it is **42.1810, 52.7390, 56.1229**.

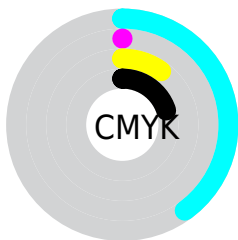
Distribution



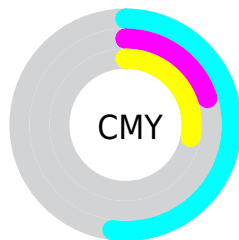
- Red (48%)
- Green (80%)
- Blue (72%)



- Red (48%)
- Yellow (66%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)



- Cyan (52%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4130, 50.8574, 53.1393 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 38.4130, 50.8574, 53.1393 by changing the saturation by 10% instead.

■ 38.4130, 50.8574,
53.1393

■ 38.4130, 50.8574,
53.1393

330.6386,
390.0095, 415.9008

■ 26.4821, 36.0951,
37.5255

■ 72.0405, 91.4440,
96.2529

■ 17.3192, 24.5077,
25.3157

■ 94.4679, 118.0370,
124.5899

■ 10.5590, 15.7106,
16.0912

■ 121.1247,
149.3425, 158.0049

■ 5.8363, 9.3196,
9.4337

152.3763,
185.7447, 196.9166

■ 2.7855, 4.9502,
4.9245

188.5882,
227.6282, 241.7435

■ 1.0414, 2.2181,
2.1450

230.1256,

■ 0.0000, 0.7298,

275.3772, 292.9041

0.6424

277.3540,
329.3762, 350.8170

■ 0.0000, 0.0000,
0.0000

■ 38.4130, 50.8574,
53.1393

■ 38.4130, 50.8574,
53.1393

■ 35.2748, 49.3008,
50.2856

■ 42.1810, 52.7390,
56.1229

■ 32.7238, 48.0436,
47.5554

■ 46.6093, 54.9576,
59.2355

■ 30.7189, 47.0656,
44.9469

■ 51.7319, 57.5319,
62.4807

■ 29.2117, 46.3422,
42.4568

■ 57.5789, 60.4774,
65.8610

■ 28.1449, 45.8437,
40.0814

■ 64.1787, 63.8087,
69.3785

■ 27.4154, 45.5170,
37.8148

■ 71.5581, 67.5396,
73.0356

■ 27.3955, 45.5082,
37.7495

■ 75.6549, 69.5760,
76.6429

■ 76.3294, 69.8458,
80.1949

■ 77.0242, 70.1237,
83.8536

Harmonies

Analogous

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



40.0032, 50.8574, 39.8323



38.4130, 50.8574, 53.1393



39.3097, 50.8574, 69.8285

Triad

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



38.4130, 50.8574, 53.1393



53.1519, 50.8574, 87.8944



54.6257, 50.8574, 33.6663

Complementary

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



38.4130, 50.8574, 53.1393



36.9445, 28.9878, 29.6366

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.



58.6535, 50.8574, 43.0678



38.4130, 50.8574, 53.1393



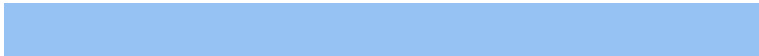
57.7578, 50.8574, 74.5117

Square

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



38.4130, 50.8574, 53.1393



47.5513, 50.8574, 91.9983



59.8413, 50.8574, 57.6727



49.1342, 50.8574, 30.0461

Rectangle

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



38.4130, 50.8574, 53.1393



41.2370, 50.8574, 80.4252



59.8413, 50.8574, 57.6727



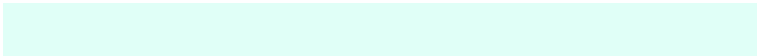
56.2117, 50.8574, 36.1552

Sweetspot

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



38.4144, 50.8594, 53.1405



83.4817, 94.1741, 102.1326



36.5406, 50.4799, 26.5575



17.6220, 20.0332, 21.7072



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.



38.4144, 50.8594, 53.1405



58.9297, 81.8980, 83.7752



36.1577, 42.7496, 63.4749



11.4203, 12.6779, 13.7705



17.2810, 28.6577, 23.9625



0.9205, 1.4900, 1.3889

Inverse Universe

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



36.9445, 28.9878, 29.6366



56.1681, 40.5638, 39.4375



38.3387, 33.9890, 23.2797



11.3241, 11.2584, 12.2411



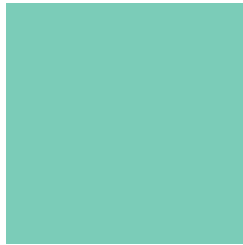
16.0725, 8.2396, 2.8347



0.8603, 0.4375, 0.3103

Previews

White Background



This preview shows how the XYZ color 38.4130, 50.8574, 53.1393 looks on a white background.

Color Contrast Check

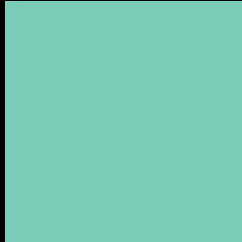
Large Text (above 18pt) WCAG AA × Fail

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 38.4130, 50.8574, 53.1393 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

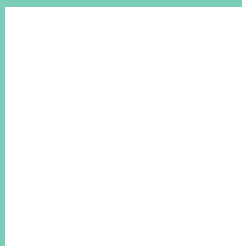
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4130, 50.8574, 53.1393

Background



This preview shows how black text looks on a background with the XYZ color 38.4130, 50.8574, 53.1393.

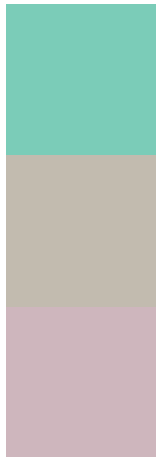


This preview shows how white text looks on a background with the XYZ color 38.4130, 50.8574,

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

38.4130, 50.8574, 53.1393

Protanopia

47.7563, 50.1051, 47.7117

Deuteranopia

51.3669, 50.2518, 55.1364



Tritanopia

42.0492, 50.5784, 71.8364

Trichromacy



Original Color

38.4130, 50.8574, 53.1393

Protanomaly

43.2543, 49.6791, 49.4288

Deuteranomaly

45.2876, 49.6449, 54.2092

Tritanomaly

40.6878, 50.7221, 64.7726

Monochromacy



Original Color

38.4130, 50.8574, 53.1393

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.1091, 46.1050, 49.9652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4130, 50.8574, 53.1393 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(123, 204, 184)` looks like.

```
.text, #text, p{  
    color:rgb(123, 204, 184)  
}
```

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(123, 204, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 204, 184) }
```

Border

The CSS property to change the border of an element to XYZ 38.4130, 50.8574, 53.1393 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(123, 204, 184) }
```


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

```
.border{ border-color:rgb(123, 204, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 204, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 204, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 204, 184);  
box-shadow:4px 4px 4px 4px rgb(123, 204,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4130, 50.8574, 53.1393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 204, 184) }
```

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

```
.background{ background-color: rgb(123,  
204, 184) }
```

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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