

Converting Colors

XYZ(38.1336, 55.7959, 56.2084)

Have a look what the booklet for
XYZ(38.1336, 55.7959, 56.2084)
contains.

XYZ(38.1730, 55.8484, 56.3448)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.1730, 55.8484,
56.3448)**

Conversions

Conversions Part 1

Format	Color
Hex	58DABC
RGB	88, 218, 188
RGB Percent	35%, 85%, 74%
CMY	0.6549, 0.1451, 0.2627
CMYK	0.60, 0.00, 0.14, 0.15
HSL	166°, 64%, 60%
HSV	166°, 60%, 85%
XYZ	38.1730, 55.8484, 56.3448
YIQ	175.7100, -67.8500, -36.8900

Conversions

Conversions Part 2

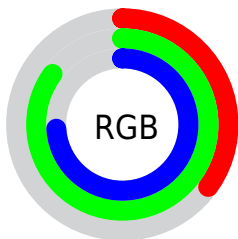
Format	Color
RYB	88, 161, 218
Decimal	5823164
CIELab	79.53, -42.86, 4.13
CIELCh	80, 43.055, 174.491
Yxy	55.8484, 0.2539, 0.3714
Android (android.graphics.Color)	4284013244 (0xFF58DABC)
YUV	175.7100, 6.0590, -76.9217
Hunter-Lab	74.7318, -39.6028, 7.6099

Details

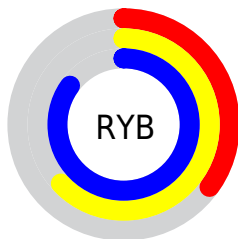
The XYZ color **38.1730, 55.8484, 56.3448** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **35.6751, 23.1943, 19.7383**, and the grayscale version is **41.1121, 43.2531, 47.1026**.

A 20% lighter version of the original color is **64.4836, 84.4412, 98.4881**, and **17.2935, 27.5899, 27.3356** is the 20% darker color. If you saturate the color by 10%, you get **35.8771, 54.7278, 53.4562**, and if you desaturate by 10%, it is **41.1078, 57.2990, 59.3645**.

Distribution



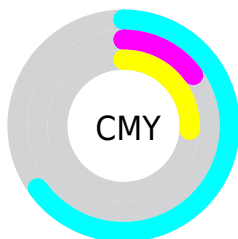
- Red (35%)
- Green (85%)
- Blue (74%)



- Red (35%)
- Yellow (63%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)





- Cyan (65%)
- Magenta (15%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1730, 55.8484, 56.3448 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 38.1730, 55.8484, 56.3448 by changing the saturation by 10% instead.


 38.1730, 55.8484,
56.3448


 38.1730, 55.8484,
56.3448


329.6295,
409.1199, 428.4144


 26.2948, 40.0814,
40.0736


 71.6754, 98.7829,
100.9994


 17.1782, 27.6020,
27.2817


 94.0303, 126.7192,
130.2198

 10.4577, 18.0259,
17.5506


 120.6082,
159.4806, 164.5937

 5.7680, 10.9686,
10.4617

 151.7745,
197.4517, 204.5396

 2.7439, 6.0457,
5.5966

187.8943,
241.0168, 250.4761

 1.0198, 2.8729,
2.5366

229.3332,

 0.0000, 1.0657,

290.5602, 302.8217

0.8594

276.4565,
346.4665, 361.9950

■ 0.0000, 0.0000,
0.0000

■ 38.1730, 55.8484,
56.3448

■ 38.1730, 55.8484,
56.3448

■ 35.8771, 54.7278,
53.4562

■ 41.1078, 57.2990,
59.3645

■ 34.1583, 53.9011,
50.6911

■ 44.7269, 59.0987,
62.5147

■ 32.9506, 53.3358,
48.0466

■ 49.0768, 61.2729,
65.7997

■ 32.1388, 52.9725,
45.5164

■ 54.1986, 63.8429,
69.2225

■ 32.1115, 52.9604,
45.4251

■ 60.1303, 66.8280,
72.7858

■ 66.9073, 70.2467,
76.4920

■ 74.5630, 74.1161,
80.3438

■ 80.3509, 77.0202,
84.2134

■ 81.0608, 77.3041,
87.9516

Harmonies

Analogous

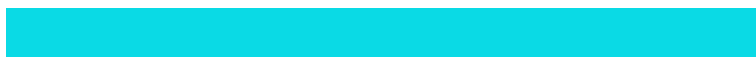
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.6487, 55.8484, 37.1031



38.1730, 55.8484, 56.3448



39.3252, 55.8484, 82.7979

Triad

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



38.1730, 55.8484, 56.3448



60.2885, 55.8484, 115.3497



63.3533, 55.8484, 29.6647

Complementary

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



38.1730, 55.8484, 56.3448



35.6751, 23.1943, 19.7383

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.



69.7231, 55.8484, 43.1054



38.1730, 55.8484, 56.3448



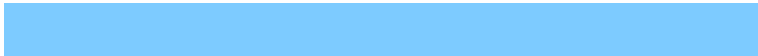
67.8232, 55.8484, 92.9272

Square

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



38.1730, 55.8484, 56.3448



51.4995, 55.8484, 121.6999



71.4416, 55.8484, 65.5039



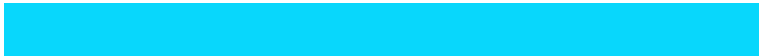
54.6970, 55.8484, 24.6214

Rectangle

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



38.1730, 55.8484, 56.3448



42.0677, 55.8484, 100.7250



71.4416, 55.8484, 65.5039



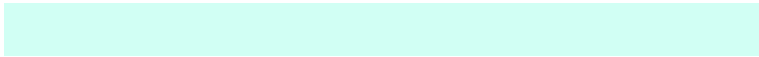
65.8688, 55.8484, 33.1382

Sweetspot

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



38.1746, 55.8506, 56.3461



78.4738, 91.6463, 99.4657



34.3512, 54.7246, 17.9859



16.3018, 19.3674, 20.9767



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.



38.1746, 55.8506, 56.3461



50.3510, 77.6600, 75.0393



33.6834, 41.1434, 72.4984



13.3096, 14.7755, 16.0933



19.2804, 31.7448, 27.4399



1.2810, 2.0694, 1.9460

Inverse Universe

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



35.6751, 23.1943, 19.7383



46.5431, 27.0273, 18.6155



37.7184, 29.6951, 12.9772



13.1785, 13.1005, 14.2014



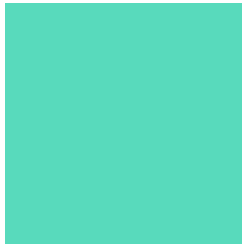
17.7055, 9.0832, 2.8292



1.1803, 0.6018, 0.3583

Previews

White Background



This preview shows how the XYZ color 38.1730, 55.8484, 56.3448 looks on a white background.

Color Contrast Check

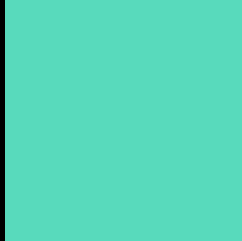
Large Text (above 18pt) WCAG AA × Fail

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 38.1730, 55.8484, 56.3448 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

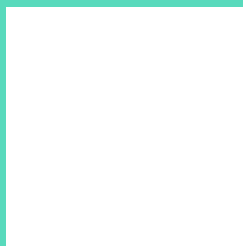
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1730, 55.8484, 56.3448

Background



This preview shows how black text looks on a background with the XYZ color 38.1730, 55.8484, 56.3448.



This preview shows how white text looks on a background with the XYZ color 38.1730, 55.8484,

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

38.1730, 55.8484, 56.3448

Protanopia

52.2534, 55.0022, 48.9367

Deuteranopia

55.9595, 54.7373, 58.6549



Tritanopia

43.2799, 55.6277, 82.5849

Trichromacy



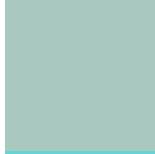
Original Color

38.1730, 55.8484, 56.3448



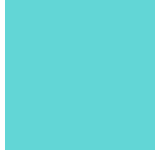
Protanomaly

44.4944, 53.6885, 51.1978



Deuteranomaly

46.5309, 53.5493, 57.7528



Tritanomaly

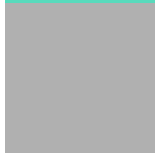
41.2212, 55.5448, 72.1670

Monochromacy



Original Color

38.1730, 55.8484, 56.3448



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.3706, 46.4862, 50.1304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1730, 55.8484, 56.3448 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(88, 218, 188)` looks like.

```
.text, #text, p{  
    color:rgb(88, 218, 188)  
}
```

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(88, 218, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 218, 188) }
```

Border

The CSS property to change the border of an element to XYZ 38.1730, 55.8484, 56.3448 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(88, 218, 188) }
```


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

```
.border{ border-color:rgb(88, 218, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 218, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 218, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 218, 188);  
box-shadow:4px 4px 4px 4px rgb(88, 218,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1730, 55.8484, 56.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 218, 188) }
```

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

```
.background{ background-color: rgb(88, 218,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor