

Converting Colors

XYZ(38.7106, 58.5954, 51.9898)

Have a look what the booklet for
XYZ(38.7106, 58.5954, 51.9898)
contains.

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Color

**XYZ(38.7228, 58.5922,
51.9164)**

Conversions

Conversions Part 1

Format	Color
Hex	57E0B3
RGB	87, 224, 179
RGB Percent	34%, 88%, 70%
CMY	0.6588, 0.1216, 0.2980
CMYK	0.61, 0.00, 0.20, 0.12
HSL	160°, 69%, 61%
HSV	160°, 61%, 88%
XYZ	38.7228, 58.5922, 51.9164
YIQ	177.9070, -67.2070, -43.0390

Conversions

Conversions Part 2

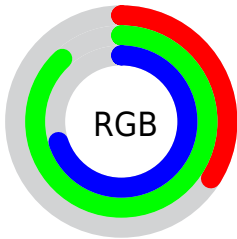
Format	Color
RYB	87, 169, 224
Decimal	5759155
CIELab	81.07, -47.73, 11.11
CIELCh	81, 49.005, 166.897
Yxy	58.5922, 0.2595, 0.3926
Android (android.graphics.Color)	4283949235 (0xFF57E0B3)
YUV	177.9070, 0.5388, -79.7254
Hunter-Lab	76.5455, -43.6553, 13.3689

Details

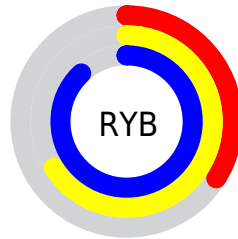
The XYZ color **38.7228, 58.5922, 51.9164** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **38.3154, 24.3310, 24.5088**, and the grayscale version is **42.2919, 44.4943, 48.4543**.

A 20% lighter version of the original color is **63.1498, 83.9077, 91.4647**, and **17.7685, 29.5116, 24.4985** is the 20% darker color. If you saturate the color by 10%, you get **36.2227, 57.3886, 48.0186**, and if you desaturate by 10%, it is **41.9145, 60.1508, 56.0565**.

Distribution



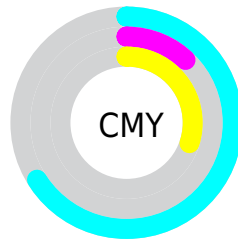
- Red (34%)
- Green (88%)
- Blue (70%)



- Red (34%)
- Yellow (66%)
- Blue (88%)



- Cyan (61%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)





- Cyan (66%)
- Magenta (12%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7228, 58.5922, 51.9164 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 38.7228, 58.5922, 51.9164 by changing the saturation by 10% instead.


 38.7228, 58.5922,
51.9164


 38.7228, 58.5922,
51.9164


331.9380,
419.3890, 411.0615


 26.7239, 42.2849,
36.5567


 72.5114, 102.7847,
94.4333


 17.5015, 29.3245,
24.5713


 95.0319, 131.4388,
122.4275

 10.6902, 19.3264,
15.5419


 121.7903,
164.9772, 155.4702

 5.9247, 11.9064,
9.0497

 153.1519,
203.7844, 193.9801

 2.8396, 6.6800,
4.6764

189.4821,
248.2448, 238.3756

 1.0695, 3.2628,
2.0033

231.1463,

 0.0000, 1.2704,

298.7428, 289.0754

0.5573

278.5098,
355.6627, 346.4978

■ 0.0000, 0.1181,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7228, 58.5922,
51.9164

■ 38.7228, 58.5922,
51.9164

■ 36.2227, 57.3886,
48.0186

■ 41.9145, 60.1508,
56.0565

■ 34.3465, 56.5006,
44.3529


■ 45.8479, 62.0855,
60.4404


■ 33.0208, 55.8919,
40.9138


■ 50.5738, 64.4241,
65.0750


■ 32.1958, 55.5290,
38.0543

■ 56.1371, 67.1897,
69.9652

 62.5793, 70.4034,
75.1161

 69.9389, 74.0852,
80.5322

 78.2523, 78.2537,
86.2181

 83.3097, 80.7386,
91.9795

 84.4125, 81.1797,
97.7865

Harmonies

Analogous

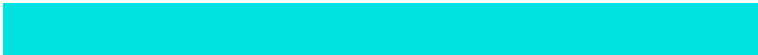
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5898, 58.5922, 32.6535



38.7228, 58.5922, 51.9164



38.9865, 58.5922, 81.5109

Triad

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



38.7228, 58.5922, 51.9164



61.5734, 58.5922, 133.8468



70.1602, 58.5922, 31.0037

Complementary

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



38.7228, 58.5922, 51.9164



38.3154, 24.3310, 24.5088

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.



76.5905, 58.5922, 48.8555



38.7228, 58.5922, 51.9164



71.2340, 58.5922, 110.2648

Square

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



38.7228, 58.5922, 51.9164



51.3706, 58.5922, 135.4264



77.0058, 58.5922, 77.3644



60.2453, 58.5922, 23.3007

Rectangle

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



38.7228, 58.5922, 51.9164



41.4610, 58.5922, 103.7047



77.0058, 58.5922, 77.3644



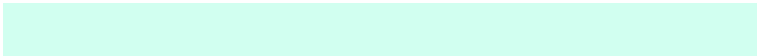
72.8509, 58.5922, 35.7191

Sweetspot

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



38.7244, 58.5945, 51.9178



77.7995, 91.3766, 95.9149



37.9981, 58.9613, 18.3957



16.1361, 19.3011, 20.1038



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.



38.7244, 58.5945, 51.9178



47.9247, 76.6682, 63.2251



38.3123, 49.2613, 78.0128



13.9151, 15.4918, 16.5881



18.7947, 32.3427, 22.4397



1.3435, 2.2581, 1.7700

Inverse Universe

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



38.3154, 24.3310, 24.5088



47.3880, 27.1094, 23.8530



38.0205, 27.6529, 12.3513



13.8920, 13.7744, 15.2012



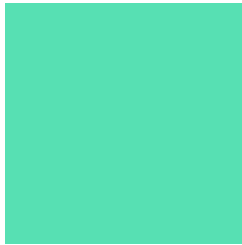
18.6517, 9.5277, 4.8318



1.3331, 0.6765, 0.5472

Previews

White Background



This preview shows how the XYZ color 38.7228, 58.5922, 51.9164 looks on a white background.

Color Contrast Check

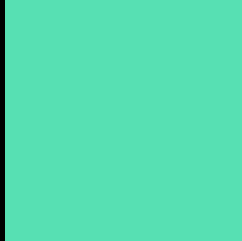
Large Text (above 18pt) WCAG AA × Fail

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 38.7228, 58.5922, 51.9164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

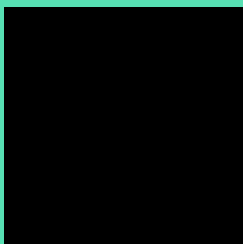
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

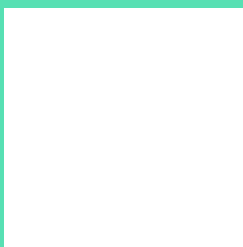
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7228, 58.5922, 51.9164

Background



This preview shows how black text looks on a background with the XYZ color 38.7228, 58.5922, 51.9164.

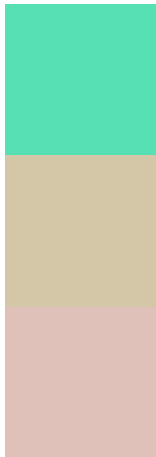


This preview shows how white text looks on a background with the XYZ color 38.7228, 58.5922,

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

38.7228, 58.5922, 51.9164

Protanopia

54.2624, 57.4858, 44.7951

Deuteranopia

58.6734, 57.5324, 54.4668



Tritanopia

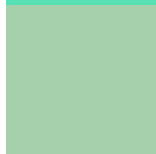
45.7275, 58.6920, 86.7605

Trichromacy



Original Color

38.7228, 58.5922, 51.9164



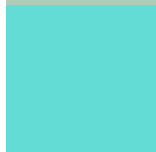
Protanomaly

45.6324, 56.1590, 46.9628



Deuteranomaly

47.5957, 55.6033, 53.0237



Tritanomaly

42.9863, 58.7508, 72.6927

Monochromacy



Original Color

38.7228, 58.5922, 51.9164



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.2280, 48.2643, 49.3679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7228, 58.5922, 51.9164 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(87, 224, 179)` looks like.

```
.text, #text, p{  
    color:rgb(87, 224, 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(87, 224, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 224, 179) }
```

Border

The CSS property to change the border of an element to XYZ 38.7228, 58.5922, 51.9164 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(87, 224, 179) }
```


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

```
.border{ border-color:rgb(87, 224, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 224, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 224, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 224, 179);  
box-shadow:4px 4px 4px 4px rgb(87, 224,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7228, 58.5922, 51.9164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 224, 179) }
```

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

```
.background{ background-color: rgb(87, 224,  
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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