

Converting Colors

XYZ(38.4571, 63.2857, 53.0536)

Have a look what the booklet for
XYZ(38.4571, 63.2857, 53.0536)
contains.

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Color

**XYZ(38.5088, 63.4398,
52.8633)**

Conversions

Conversions Part 1

Format	Color
Hex	18ECB3
RGB	24, 236, 179
RGB Percent	9%, 93%, 70%
CMY	0.9058, 0.0745, 0.2980
CMYK	0.90, 0.00, 0.24, 0.07
HSL	164°, 85%, 51%
HSV	164°, 90%, 93%
XYZ	38.5088, 63.4398, 52.8633
YIQ	166.1140, -108.0550, -62.6710

Conversions

Conversions Part 2

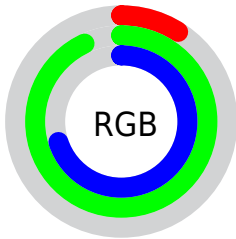
Format	Color
RYB	24, 146, 236
Decimal	1633459
CIELab	83.67, -59.65, 14.66
CIELCh	84, 61.422, 166.192
Yxy	63.4398, 0.2487, 0.4098
Android (android.graphics.Color)	4279823539 (0xFF18ECB3)
YUV	166.1140, 6.3528, -124.6340
Hunter-Lab	79.6491, -53.0846, 16.4035

Details

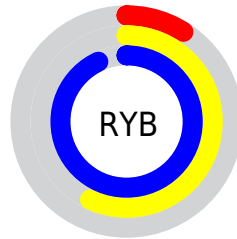
The XYZ color **38.5088, 63.4398, 52.8633** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **36.4062, 19.0818, 9.5524**, and the grayscale version is **36.3114, 38.2024, 41.6024**.

A 20% lighter version of the original color is **57.9579, 81.2312, 91.2217**, and **19.8860, 33.7466, 25.2043** is the 20% darker color. If you saturate the color by 10%, you get **37.5114, 62.9997, 49.5440**, and if you desaturate by 10%, it is **39.9912, 64.1297, 56.3623**.

Distribution



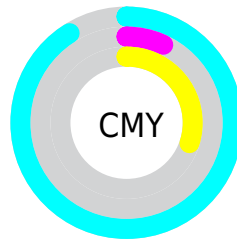
- Red (9%)
- Green (93%)
- Blue (70%)



- Red (9%)
- Yellow (57%)
- Blue (93%)



- Cyan (90%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)





- Cyan (91%)
- Magenta (7%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5088, 63.4398, 52.8633 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 38.5088, 63.4398, 52.8633 by changing the saturation by 10% instead.


 38.5088, 63.4398,
52.8633


 38.5088, 63.4398,
52.8633


331.0408,
437.1639, 414.8118


 26.5568, 46.1971,
37.3067


 72.1862, 109.8038,
95.8427


 17.3755, 32.4014,
25.1474


 94.6424, 139.6938,
124.1025

 10.5996, 21.6683,
15.9669


 121.3306,
174.5684, 157.4339

 5.8635, 13.6133,
9.3466

 152.6163,
214.8120, 196.2553

 2.8022, 7.8522,
4.8681

 188.8648,
260.8089, 240.9852

 1.0500, 4.0005,
2.1127

230.4415,

 0.0000, 1.6739,

312.9436, 292.0422

0.6233

277.7117,
371.6005, 349.8450

■ 0.0000, 0.4067,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5088, 63.4398,
52.8633

■ 38.5088, 63.4398,
52.8633

■ 37.5114, 62.9997,
49.5440


■ 39.9912, 64.1297,
56.3623


■ 37.4954, 62.9927,
49.4870


■ 42.0916, 65.1332,
60.0451


■ 44.8945, 66.4953,
63.9189


■ 48.4700, 68.2521,
67.9890

 52.8792, 70.4352,
72.2602

 58.1770, 73.0727,
76.7369

 64.4136, 76.1905,
81.4232

 71.6352, 79.8124,
86.3232

 79.8851, 83.9607,
91.4406

Harmonies

Analogous

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



43.4936, 63.4398, 29.4432



38.5088, 63.4398, 52.8633



38.7157, 63.4398, 91.8561

Triad

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



38.5088, 63.4398, 52.8633



67.8007, 63.4398, 167.4094



80.0302, 63.4398, 28.2260

Complementary

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



38.5088, 63.4398, 52.8633



36.4062, 19.0818, 9.5524

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.



88.6991, 63.4398, 50.4114



38.5088, 63.4398, 52.8633



80.9528, 63.4398, 134.0779

Square

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



38.5088, 63.4398, 52.8633



54.3336, 63.4398, 168.8528



89.0599, 63.4398, 88.3028



66.6829, 63.4398, 19.2260

Rectangle

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



38.5088, 63.4398, 52.8633



41.7418, 63.4398, 122.6904



89.0599, 63.4398, 88.3028



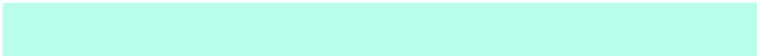
83.6697, 63.4398, 33.9208

Sweetspot

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



38.5105, 63.4423, 52.8648



71.2573, 88.0624, 92.9703



33.8248, 61.9476, 11.0394



14.7399, 18.5934, 19.4969



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.



38.5105, 63.4423, 52.8648



44.6690, 75.0836, 58.8342



33.9472, 43.1093, 85.8916



15.3348, 17.0487, 18.4457



20.7241, 34.7441, 27.5758



1.6670, 2.7441, 2.3744

Inverse Universe

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



36.4062, 19.0818, 9.5524



42.3008, 21.6843, 7.5161



36.9452, 22.2732, 3.2169



15.2318, 15.1206, 16.5060



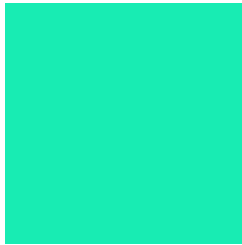
19.6155, 10.0489, 3.7765



1.5793, 0.8047, 0.5019

Previews

White Background



This preview shows how the XYZ color 38.5088, 63.4398, 52.8633 looks on a white background.

Color Contrast Check

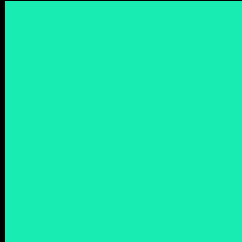
Large Text (above 18pt) WCAG AA × Fail

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 38.5088, 63.4398, 52.8633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

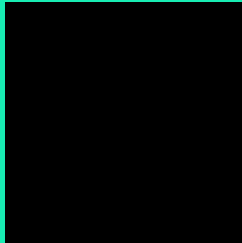
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

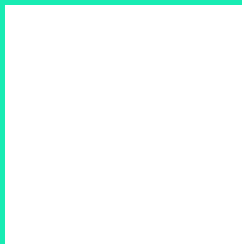
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5088, 63.4398, 52.8633

Background



This preview shows how black text looks on a background with the XYZ color 38.5088, 63.4398, 52.8633.

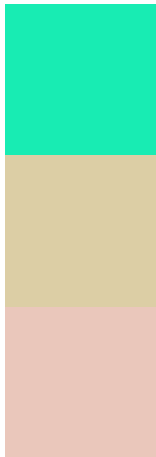


This preview shows how white text looks on a background with the XYZ color 38.5088, 63.4398,

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

38.5088, 63.4398, 52.8633

Protanopia

58.3780, 62.0749, 44.5021

Deuteranopia

63.3247, 61.9271, 55.6293



Tritanopia

47.2455, 63.2117, 96.8998

Trichromacy



Original Color

38.5088, 63.4398, 52.8633



Protanomaly

44.4630, 58.9175, 47.0590



Deuteranomaly

46.2958, 57.8168, 54.0671



Tritanomaly

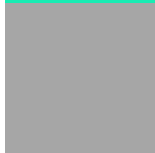
43.2266, 62.7671, 78.9442

Monochromacy



Original Color

38.5088, 63.4398, 52.8633



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.9209, 43.7793, 45.2432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5088, 63.4398, 52.8633 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(24, 236, 179)` looks like.

```
.text, #text, p{  
    color:rgb(24, 236, 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(24, 236, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 236, 179) }
```

Border

The CSS property to change the border of an element to XYZ 38.5088, 63.4398, 52.8633 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(24, 236, 179) }
```


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

```
.border{ border-color:rgb(24, 236, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 236, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 236, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 236, 179);  
box-shadow:4px 4px 4px 4px rgb(24, 236,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5088, 63.4398, 52.8633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 236, 179) }
```

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

```
.background{ background-color: rgb(24, 236,  
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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