

Converting Colors

XYZ(38.8247, 63.0796, 49.6193)

Have a look what the booklet for
XYZ(38.8247, 63.0796, 49.6193)
contains.

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Color

**XYZ(38.9385, 63.3036,
49.7017)**

Conversions

Conversions Part 1

Format	Color
Hex	39EBAD
RGB	57, 235, 173
RGB Percent	22%, 92%, 68%
CMY	0.7764, 0.0784, 0.3216
CMYK	0.76, 0.00, 0.26, 0.08
HSL	159°, 82%, 57%
HSV	159°, 76%, 92%
XYZ	38.9385, 63.3036, 49.7017
YIQ	174.7100, -86.1860, -57.0180

Conversions

Conversions Part 2

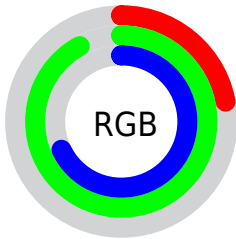
Format	Color
RYB	57, 165, 235
Decimal	3795885
CIELab	83.60, -57.97, 17.73
CIELCh	84, 60.620, 162.989
Yxy	63.3036, 0.2563, 0.4166
Android (android.graphics.Color)	4281985965 (0xFF39EBAD)
YUV	174.7100, -0.8430, -103.2317
Hunter-Lab	79.5636, -51.8781, 18.6573

Details

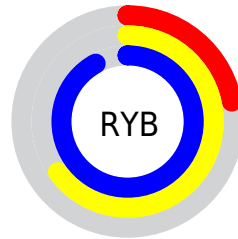
The XYZ color **38.9385, 63.3036, 49.7017** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **39.0560, 21.9219, 19.6285**, and the grayscale version is **40.6357, 42.7519, 46.5569**.

A 20% lighter version of the original color is **58.9561, 81.8443, 86.8190**, and **19.3106, 33.1969, 23.1592** is the 20% darker color. If you saturate the color by 10%, you get **37.1278, 62.4605, 45.6089**, and if you desaturate by 10%, it is **41.4205, 64.4904, 54.0821**.

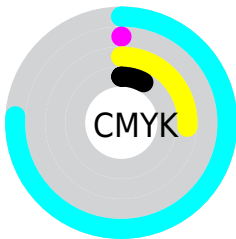
Distribution



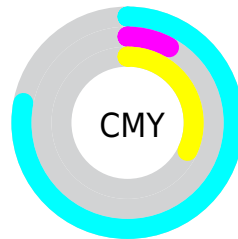
- Red (22%)
- Green (92%)
- Blue (68%)



- Red (22%)
- Yellow (65%)
- Blue (92%)



- Cyan (76%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)





- Cyan (78%)
- Magenta (8%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9385, 63.3036, 49.7017 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 38.9385, 63.3036, 49.7017 by changing the saturation by 10% instead.


 38.9385, 63.3036,
49.7017


 38.9385, 63.3036,
49.7017


332.8406,
436.6705, 402.1999


 26.8924, 46.0869,
34.8069


 72.8390, 109.6074,
91.1245


 17.6286, 32.3144,
23.2318

 95.4242, 139.4632,
118.4896

 10.7817, 21.6017,
14.5579


 122.2530,
174.3009, 150.8485

 5.9865, 13.5646,
8.3665

 153.6910,
214.5048, 188.6198

 2.8774, 7.8184,
4.2392

190.1033,
260.4593, 232.2221

 1.0893, 3.9790,
1.7575

231.8555,

 0.0161, 1.6618,

312.5488, 282.0738

0.3997

279.3128,
371.1578, 338.5936

■ 0.0000, 0.3987,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9385, 63.3036,
49.7017

■ 38.9385, 63.3036,
49.7017

■ 37.1278, 62.4605,
45.6089

■ 41.4205, 64.4904,
54.0821


■ 35.8889, 61.9051,
41.7904

■ 44.6452, 66.0527,
58.7536


■ 35.4711, 61.7235,
40.2440


■ 48.6801, 68.0269,
63.7251


■ 53.5833, 70.4429,
69.0034

 59.4075, 73.3276,
74.5951

 66.2012, 76.7061,
80.5065

 74.0093, 80.6014,
86.7435

 82.8739, 85.0350,
93.3119

 87.6878, 87.3742,
99.9765

Harmonies

Analogous

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



44.4088, 63.3036, 28.1334



38.9385, 63.3036, 49.7017



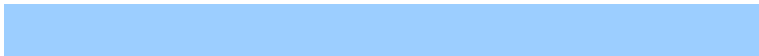
38.5932, 63.3036, 86.6699

Triad

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



38.9385, 63.3036, 49.7017



66.0807, 63.3036, 167.3240



80.8037, 63.3036, 30.1738

Complementary

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



38.9385, 63.3036, 49.7017



39.0560, 21.9219, 19.6285

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.



88.5773, 63.3036, 53.7874



38.9385, 63.3036, 49.7017



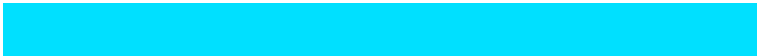
79.2740, 63.3036, 137.2947

Square

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



38.9385, 63.3036, 49.7017



53.0155, 63.3036, 164.9407



87.9796, 63.3036, 92.5627



67.9368, 63.3036, 20.0368

Rectangle

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



38.9385, 63.3036, 49.7017



41.2219, 63.3036, 116.7993



87.9796, 63.3036, 92.5627



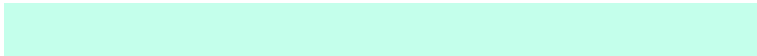
84.1783, 63.3036, 36.3324

Sweetspot

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



38.9402, 63.3061, 49.7032



73.5495, 89.2761, 91.6278



38.0979, 63.6579, 14.1511



15.1460, 18.8125, 19.0721



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.



38.9402, 63.3061, 49.7032



43.7688, 74.7642, 52.2553



39.3138, 52.1287, 86.5899



15.2819, 17.0276, 18.1673



19.8031, 34.3757, 22.7262



1.6002, 2.7174, 2.0223

Inverse Universe

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



39.0560, 21.9219, 19.6285



44.0329, 22.8658, 15.1310



38.1485, 24.2535, 6.5426



15.2821, 15.1407, 16.7708



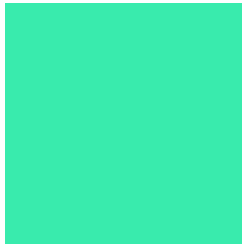
19.9668, 10.1894, 5.6266



1.6119, 0.8177, 0.6736

Previews

White Background



This preview shows how the XYZ color 38.9385, 63.3036, 49.7017 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 38.9385, 63.3036, 49.7017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

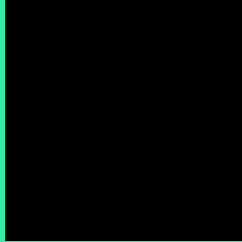
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9385, 63.3036, 49.7017

Background



This preview shows how black text looks on a background with the XYZ color 38.9385, 63.3036, 49.7017.

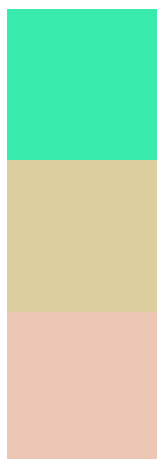


This preview shows how white text looks on a background with the XYZ color 38.9385, 63.3036,

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

38.9385, 63.3036, 49.7017

Protanopia

57.8445, 61.8615, 41.6926

Deuteranopia

63.3560, 62.0159, 52.3471



Tritanopia

48.0397, 63.2515, 95.2648

Trichromacy



Original Color

38.9385, 63.3036, 49.7017



Protanomaly

46.2116, 59.8831, 44.2449



Deuteranomaly

48.3740, 58.9592, 50.9502



Tritanomaly

43.9825, 62.8061, 76.1343

Monochromacy



Original Color

38.9385, 63.3036, 49.7017



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.1220, 47.8940, 47.3323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9385, 63.3036, 49.7017 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(57, 235, 173)` looks like.

```
.text, #text, p{  
  color:rgb(57, 235, 173)  
}
```

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(57, 235, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 235, 173) }
```

Border

The CSS property to change the border of an element to XYZ 38.9385, 63.3036, 49.7017 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(57, 235, 173) }
```


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

```
.border{ border-color:rgb(57, 235, 173) }
```

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

Here you see how a box with a 4 pixel rgb(57, 235, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 235, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 235, 173);  
box-shadow:4px 4px 4px 4px rgb(57, 235,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9385, 63.3036, 49.7017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 235, 173) }
```

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

```
.background{ background-color: rgb(57, 235,  
173) }
```

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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