

Converting Colors

XYZ(38.8084, 63.5300, 43.8642)

Have a look what the booklet for
XYZ(38.8084, 63.5300, 43.8642)
contains.

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Color

**XYZ(38.7399, 63.3295,
43.9002)**

Conversions

Conversions Part 1

Format	Color
Hex	47EBA1
RGB	71, 235, 161
RGB Percent	28%, 92%, 63%
CMY	0.7216, 0.0784, 0.3686
CMYK	0.70, 0.00, 0.31, 0.08
HSL	153°, 80%, 60%
HSV	153°, 70%, 92%
XYZ	38.7399, 63.3295, 43.9002
YIQ	177.5280, -73.9900, -57.7820

Conversions

Conversions Part 2

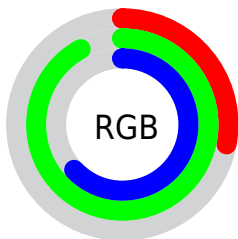
Format	Color
RYB	71, 177, 235
Decimal	4713377
CIELab	83.62, -58.66, 24.00
CIELCh	84, 63.379, 157.749
Yxy	63.3295, 0.2654, 0.4339
Android (android.graphics.Color)	4282903457 (0xFF47EBA1)
YUV	177.5280, -8.1483, -93.4251
Hunter-Lab	79.5798, -52.3699, 22.9986

Details

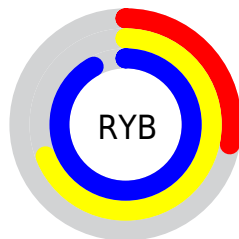
The XYZ color **38.7399, 63.3295, 43.9002** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **41.6271, 24.2144, 29.2704**, and the grayscale version is **42.1389, 44.3334, 48.2790**.

A 20% lighter version of the original color is **58.6359, 81.8811, 77.6800**, and **18.6807, 32.9449, 19.8424** is the 20% darker color. If you saturate the color by 10%, you get **36.4423, 62.2502, 39.1173**, and if you desaturate by 10%, it is **41.7862, 64.7889, 49.1350**.

Distribution



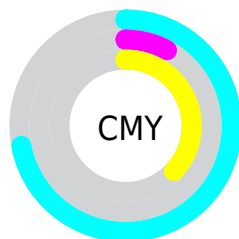
- Red (28%)
- Green (92%)
- Blue (63%)



- Red (28%)
- Yellow (69%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (31%)
- Black (8%)





- Cyan (72%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7399, 63.3295, 43.9002 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 38.7399, 63.3295, 43.9002 by changing the saturation by 10% instead.


 38.7399, 63.3295,
43.9002


 38.7399, 63.3295,
43.9002

332.0096,
436.7643, 378.3303


 26.7373, 46.1078,
30.2554


 72.5374, 109.6447,
82.3684


 17.5116, 32.3309,
19.7789


 95.0630, 139.5071,
108.0290

 10.6974, 21.6144,
12.0519


 121.8270,
174.3518, 138.5318

 5.9296, 13.5738,
6.6561


 153.1946,
214.5632, 174.2956

 2.8425, 7.8249,
3.1728

189.5314,
260.5258, 215.7388

 1.0711, 3.9831,
1.1835

231.2026,

 0.0007, 1.6641,

312.6239, 263.2799

0.0000

278.5735,
371.2420, 317.3376

■ 0.0000, 0.4003,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7399, 63.3295,
43.9002

■ 38.7399, 63.3295,
43.9002

■ 36.4423, 62.2502,
39.1173

■ 41.7862, 64.7889,
49.1350

■ 34.8047, 61.5006,
34.7678


■ 45.6467, 66.6570,
54.8304


■ 33.6909, 61.0123,
30.8360


■ 50.3851, 68.9681,
61.0003

■ 33.6695, 61.0030,
30.7561

■ 56.0573, 71.7508,
67.6566

 62.7140, 75.0310,
74.8107

 70.4026, 78.8330,
82.4733

 79.1670, 83.1791,
90.6551

 87.5588, 87.3227,
99.2963

 88.9995, 87.8990,
106.8832

Harmonies

Analogous

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



45.3049, 63.3295, 24.4946



38.7399, 63.3295, 43.9002



37.4562, 63.3295, 79.7685

Triad

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



38.7399, 63.3295, 43.9002



63.8588, 63.3295, 175.6225



83.8240, 63.3295, 31.9842

Complementary

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



38.7399, 63.3295, 43.9002



41.6271, 24.2144, 29.2704

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.



90.6550, 63.3295, 59.1659



38.7399, 63.3295, 43.9002



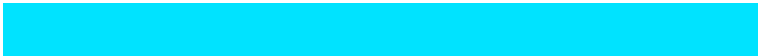
78.0298, 63.3295, 148.6388

Square

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



38.7399, 63.3295, 43.9002



50.6533, 63.3295, 166.4845



88.3862, 63.3295, 102.0881



70.8605, 63.3295, 19.6862

Rectangle

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



38.7399, 63.3295, 43.9002



39.5510, 63.3295, 110.9538



88.3862, 63.3295, 102.0881



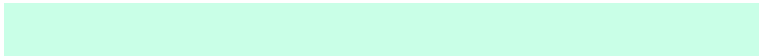
86.9975, 63.3295, 39.1697

Sweetspot

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



38.7416, 63.3320, 43.9017



74.3693, 89.7603, 88.8861



42.9762, 66.1268, 16.4606



15.4258, 18.9696, 18.5058



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.



38.7416, 63.3320, 43.9017



42.8679, 74.4679, 44.6186



45.7631, 63.6746, 88.4788



15.2142, 17.0005, 17.8108



18.8032, 33.9757, 17.4604



1.5249, 2.6873, 1.6259

Inverse Universe

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



41.6271, 24.2144, 29.2704



46.5740, 24.6513, 26.1414



38.0168, 23.3519, 8.4656



15.3480, 15.1671, 17.1180



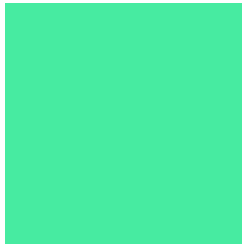
20.5792, 10.4344, 8.8514



1.6639, 0.8385, 0.9472

Previews

White Background



This preview shows how the XYZ color 38.7399, 63.3295, 43.9002 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 38.7399, 63.3295, 43.9002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

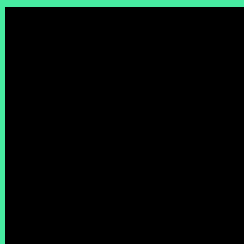
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

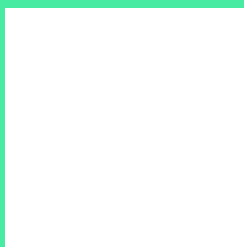
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7399, 63.3295, 43.9002

Background



This preview shows how black text looks on a background with the XYZ color 38.7399, 63.3295, 43.9002.

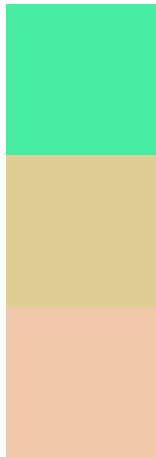


This preview shows how white text looks on a background with the XYZ color 38.7399, 63.3295,

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

38.7399, 63.3295, 43.9002

Protanopia

57.5408, 61.8103, 36.9148

Deuteranopia

63.1815, 62.0621, 46.1853



Tritanopia

48.8118, 63.2645, 94.4326

Trichromacy



Original Color

38.7399, 63.3295, 43.9002



Protanomaly

46.4990, 60.1411, 39.2946



Deuteranomaly

48.7865, 59.3051, 44.9521



Tritanomaly

44.4432, 63.1180, 72.7914

Monochromacy



Original Color

38.7399, 63.3295, 43.9002



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.5173, 49.3144, 46.5183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7399, 63.3295, 43.9002 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(71, 235, 161)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 161)  
}
```

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(71, 235, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 161) }
```

Border

The CSS property to change the border of an element to XYZ 38.7399, 63.3295, 43.9002 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(71, 235, 161) }
```


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

```
.border{ border-color:rgb(71, 235, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 235, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 161);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7399, 63.3295, 43.9002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 161) }
```

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

```
.background{ background-color: rgb(71, 235,  
161) }
```

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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