

Converting Colors

XYZ(28.3803, 39.0011, 13.2399)

Have a look what the booklet for
XYZ(28.3803, 39.0011, 13.2399)
contains.

XYZ(28.3803, 39.0011, 13.2399)	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(28.3803, 39.0011,
13.2399)**

Conversions

Conversions Part 1

Format	Color
Hex	8AB54E
RGB	138, 181, 78
RGB Percent	54%, 71%, 31%
CMY	0.4588, 0.2902, 0.6941
CMYK	0.24, 0.00, 0.57, 0.29
HSL	85°, 41%, 51%
HSV	85°, 57%, 71%
XYZ	28.3803, 39.0011, 13.2399
YIQ	156.4010, 7.4350, -41.1490

Conversions

Conversions Part 2

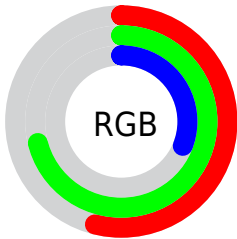
Format	Color
RYB	78, 181, 121
Decimal	9090382
CIELab	68.75, -31.12, 47.04
CIELCh	69, 56.401, 123.486
Yxy	39.0011, 0.3520, 0.4838
Android (android.graphics.Color)	4287280462 (0xFF8AB54E)
YUV	156.4010, -38.6517, -16.1377
Hunter-Lab	62.4509, -28.1711, 31.1458

Details

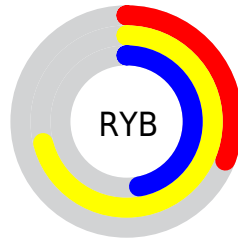
The XYZ color **28.3803, 39.0011, 13.2399** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.9516, 12.8510, 45.1999**, and the grayscale version is **31.9453, 33.6090, 36.6002**.

A 20% lighter version of the original color is **56.5616, 73.6494, 32.3537**, and **11.6410, 17.4398, 3.6724** is the 20% darker color. If you saturate the color by 10%, you get **26.6118, 38.1556, 10.2237**, and if you desaturate by 10%, it is **30.4163, 39.9664, 17.2025**.

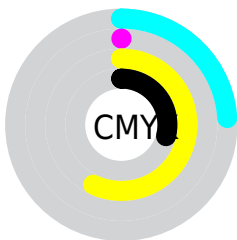
Distribution



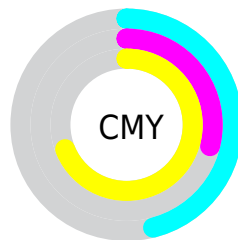
- Red (54%)
- Green (71%)
- Blue (31%)



- Red (31%)
- Yellow (71%)
- Blue (47%)



- Cyan (24%)
- Magenta (0%)
- Yellow (57%)
- Black (29%)



- Cyan (46%)
- Magenta (29%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3803, 39.0011, 13.2399 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 28.3803, 39.0011, 13.2399 by changing the saturation by 10% instead.

■ 28.3803, 39.0011,
13.2399

■ 28.3803, 39.0011,
13.2399

286.3269,
341.8952, 223.7110

■ 18.7544, 26.7606,
7.4613

■ 56.4954, 73.6400,
32.4316

■ 11.5959, 17.3935,
3.6694

■ 75.7155, 96.8072,
46.6817

■ 6.5394, 10.5154,
1.4458

■ 98.8642, 124.3854,
64.5928

■ 3.2195, 5.7420,
0.1771

■ 126.3071,
156.7589, 86.5834

■ 1.2709, 2.6889,
0.0000

■ 158.4095,
194.3123, 113.0719

■ 0.1613, 0.9715,
0.0000

195.5366,

■ 0.0000, 0.0000,

237.4299, 144.4770

0.0000

238.0540,
286.4960, 181.2172

■ 28.3803, 39.0011,
13.2399

■ 28.3803, 39.0011,
13.2399

■ 26.6118, 38.1556,
10.2237

■ 30.4163, 39.9664,
17.2025

■ 25.0912, 37.4177,
8.0719

■ 32.7321, 41.0524,
22.1792

■ 23.8001, 36.7813,
6.6931

■ 35.3422, 42.2667,
28.2347

■ 22.7120, 36.2356,
5.9580

■ 38.2595, 43.6144,
35.4272

■ 22.4014, 36.0790,
5.7833

■ 41.4958, 45.1006,
43.8112

■ 45.0622, 46.7298,
53.4373

■ 48.9693, 48.5064,
64.3533

■ 53.2272, 50.4346,
76.6047

■ 57.8454, 52.5185,
90.2343

Harmonies

Analogous

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



36.0352, 39.0011, 9.8649



28.3803, 39.0011, 13.2399



23.7303, 39.0011, 24.0792

Triad

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



28.3803, 39.0011, 13.2399



29.9207, 39.0011, 103.4138



56.9841, 39.0011, 39.5453

Complementary

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



28.3803, 39.0011, 13.2399



18.9516, 12.8510, 45.1999

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.



54.6537, 39.0011, 68.4169



28.3803, 39.0011, 13.2399



38.1232, 39.0011, 112.8856

Square

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



28.3803, 39.0011, 13.2399



24.5142, 39.0011, 75.7836



47.3724, 39.0011, 98.0957



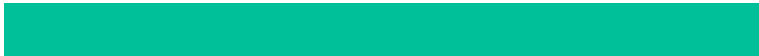
53.3124, 39.0011, 20.7028

Rectangle

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



28.3803, 39.0011, 13.2399



22.4934, 39.0011, 37.1278



47.3724, 39.0011, 98.0957



56.8789, 39.0011, 48.2919

Sweetspot

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



28.3812, 39.0028, 13.2407



68.3106, 78.0128, 62.9204



27.2599, 24.0297, 10.4097



14.5338, 16.7551, 13.0201



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3812, 39.0028, 13.2407



47.0139, 68.0212, 17.3211



21.7919, 35.6059, 12.9324



8.8473, 9.7263, 9.0636



15.5227, 24.9123, 3.9904



0.5530, 0.8172, 0.1286

Inverse Universe

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



18.9516, 12.8510, 45.1999



28.5585, 16.7392, 80.0204



28.1713, 17.6039, 45.6314



8.3670, 8.3977, 10.6863



7.8563, 3.3858, 30.3765



0.3143, 0.1411, 0.9589

Previews

White Background



This preview shows how the XYZ color 28.3803, 39.0011, 13.2399 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 28.3803, 39.0011, 13.2399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

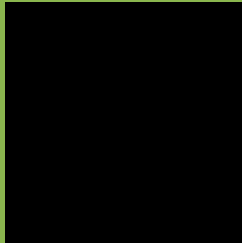
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3803, 39.0011, 13.2399

Background



This preview shows how black text looks on a background with the XYZ color 28.3803, 39.0011, 13.2399.



This preview shows how white text looks on a background with the XYZ color 28.3803, 39.0011,

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

28.3803, 39.0011, 13.2399

Protanopia

35.3044, 38.5709, 12.0628

Deuteranopia

39.4520, 38.5582, 13.7506



Tritanopia

35.9753, 38.8855, 50.9570

Trichromacy



Original Color

28.3803, 39.0011, 13.2399

Protanomaly

32.3847, 38.4481, 12.3710

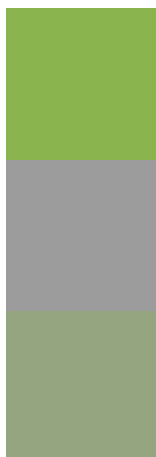
Deuteranomaly

34.3978, 38.0704, 13.5180

Tritanomaly

32.2795, 38.5195, 32.5218

Monochromacy



Original Color

28.3803, 39.0011, 13.2399

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.7458, 34.8583, 25.5826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3803, 39.0011, 13.2399 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(138, 181, 78)` looks like.

```
.text, #text, p{  
    color:rgb(138, 181, 78)  
}
```

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(138, 181, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 181, 78) }
```

Border

The CSS property to change the border of an element to XYZ 28.3803, 39.0011, 13.2399 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(138, 181, 78) }
```


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

```
.border{ border-color:rgb(138, 181, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 181, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 181, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 181, 78);  
box-shadow:4px 4px 4px 4px rgb(138, 181,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3803, 39.0011, 13.2399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 181, 78) }
```

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

```
.background{ background-color: rgb(138,  
181, 78) }
```

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