

Converting Colors

XYZ(31.5101, 39.9800, 14.8603)

Have a look what the booklet for
XYZ(31.5101, 39.9800, 14.8603)
contains.

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Color

**XYZ(31.5101, 39.9800,
14.8603)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB356
RGB	156, 179, 86
RGB Percent	61%, 70%, 34%
CMY	0.3882, 0.2980, 0.6627
CMYK	0.13, 0.00, 0.52, 0.30
HSL	75°, 38%, 52%
HSV	75°, 52%, 70%
XYZ	31.5101, 39.9800, 14.8603
YIQ	161.5210, 16.1450, -33.7990

Conversions

Conversions Part 2

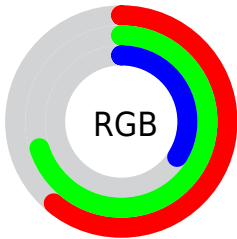
Format	Color
RYB	86, 179, 109
Decimal	10269526
CIELab	69.46, -22.29, 44.36
CIELCh	69, 49.650, 116.677
Yxy	39.9800, 0.3649, 0.4630
Android (android.graphics.Color)	4288459606 (0xFF9CB356)
YUV	161.5210, -37.2319, -4.8419
Hunter-Lab	63.2297, -21.6978, 30.3264

Details

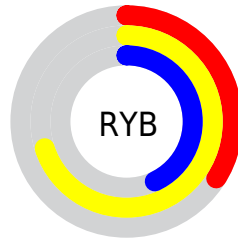
The XYZ color **31.5101, 39.9800, 14.8603** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.7727, 13.1626, 44.2541**, and the grayscale version is **34.2827, 36.0681, 39.2781**.

A 20% lighter version of the original color is **61.4472, 75.2487, 35.3306**, and **13.3577, 17.9266, 4.3463** is the 20% darker color. If you saturate the color by 10%, you get **30.0364, 39.2947, 11.4868**, and if you desaturate by 10%, it is **33.1976, 40.7572, 19.1882**.

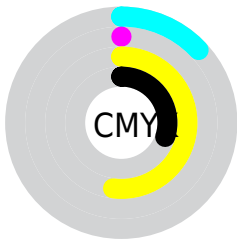
Distribution



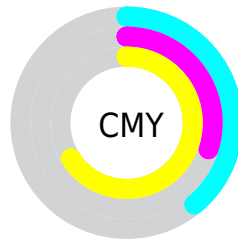
- Red (61%)
- Green (70%)
- Blue (34%)



- Red (34%)
- Yellow (70%)
- Blue (43%)



- Cyan (13%)
- Magenta (0%)
- Yellow (52%)
- Black (30%)





- Cyan (39%)
- Magenta (30%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5101, 39.9800, 14.8603 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 31.5101, 39.9800, 14.8603 by changing the saturation by 10% instead.


 31.5101, 39.9800,
14.8603


 31.5101, 39.9800,
14.8603


300.6666,
346.0393, 234.1307

 21.1413, 27.5230,
8.5759


 61.4127, 75.1331,
35.3467

 13.3404, 17.9664,
4.3726


 81.6772, 98.5979,
50.3858


 7.7420, 10.9258,
1.8319


 105.9710,
126.5007, 69.1802

 3.9807, 6.0170,
0.4489

 134.6594,
159.2260, 92.1485

 1.6912, 2.8554,
0.0000

 168.1078,
197.1581, 119.7091

 0.4508, 1.0567,
0.0000

206.6816,

 0.0000, 0.0000,

240.6814, 152.2806

0.0000

250.7461,
290.1803, 190.2817

■ 31.5101, 39.9800,
14.8603

■ 31.5101, 39.9800,
14.8603

■ 30.0364, 39.2947,
11.4868

■ 33.1976, 40.7572,
19.1882

■ 28.7596, 38.6904,
8.9927

■ 35.1087, 41.6261,
24.5329

■ 27.6644, 38.1622,
7.2961

■ 37.2558, 42.5931,
30.9544

■ 26.7320, 37.7027,
6.2983

■ 39.6498, 43.6625,
38.5075

■ 26.0687, 37.3702,
5.8392

■ 42.3005, 44.8384,
47.2432

■ 45.2174, 46.1246,
57.2093

■ 48.4094, 47.5246,
68.4510

■ 51.8849, 49.0418,
81.0113

■ 55.6519, 50.6796,
94.9311

Harmonies

Analogous

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



38.8976, 39.9800, 12.7202



31.5101, 39.9800, 14.8603



26.5519, 39.9800, 23.5546

Triad

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



31.5101, 39.9800, 14.8603



30.1678, 39.9800, 91.6296



55.4971, 39.9800, 46.1328

Complementary

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



31.5101, 39.9800, 14.8603



17.7727, 13.1626, 44.2541

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.



52.3400, 39.9800, 72.4595



31.5101, 39.9800, 14.8603



37.1159, 39.9800, 103.9026

Square

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



31.5101, 39.9800, 14.8603



25.8566, 39.9800, 66.4288



45.3244, 39.9800, 95.8839



53.4505, 39.9800, 26.6123

Rectangle

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



31.5101, 39.9800, 14.8603



24.9226, 39.9800, 34.1571



45.3244, 39.9800, 95.8839



54.9995, 39.9800, 54.4808

Sweetspot

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



31.5111, 39.9818, 14.8611



69.1024, 77.3447, 62.8705



25.6026, 20.9188, 11.4930



15.1175, 17.0499, 13.3237



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.



31.5111, 39.9818, 14.8611



53.5250, 70.2468, 20.0094



24.3316, 36.2807, 14.5252



8.9877, 9.7987, 9.0702



18.4818, 26.4378, 4.1289



0.6307, 0.8572, 0.1322

Inverse Universe

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



17.7727, 13.1626, 44.2541



26.3555, 17.1056, 78.2938



24.8304, 16.8009, 44.5844



8.2324, 8.3283, 10.6800



6.5434, 2.7091, 30.3150



0.2599, 0.1131, 0.9564

Previews

White Background



This preview shows how the XYZ color 31.5101, 39.9800, 14.8603 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 31.5101, 39.9800, 14.8603 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 31.5101, 39.9800, 14.8603

Background



This preview shows how black text looks on a background with the XYZ color 31.5101, 39.9800, 14.8603.



This preview shows how white text looks on a background with the XYZ color 31.5101, 39.9800,

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

31.5101, 39.9800, 14.8603

Protanopia

36.2428, 39.5653, 13.9103

Deuteranopia

40.3653, 39.5105, 15.3963



Tritanopia

38.5678, 39.9688, 49.9380

Trichromacy



Original Color

31.5101, 39.9800, 14.8603

Protanomaly

34.4483, 39.7573, 14.2458

Deuteranomaly

36.5448, 39.4179, 15.1335

Tritanomaly

35.3143, 39.7803, 33.4209

Monochromacy



Original Color

31.5101, 39.9800, 14.8603

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.8029, 37.2001, 28.0057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5101, 39.9800, 14.8603 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(156, 179, 86)` looks like.

```
.text, #text, p{  
    color:rgb(156, 179, 86)  
}
```

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(156, 179, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 179, 86) }
```

Border

The CSS property to change the border of an element to XYZ 31.5101, 39.9800, 14.8603 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(156, 179, 86) }
```


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

```
.border{ border-color:rgb(156, 179, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 179, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 179, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 179, 86);  
box-shadow:4px 4px 4px 4px rgb(156, 179,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5101, 39.9800, 14.8603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 179, 86) }
```

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

```
.background{ background-color: rgb(156,  
179, 86) }
```

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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