

Converting Colors

XYZ(29.8916, 44.3302, 14.4511)

Have a look what the booklet for
XYZ(29.8916, 44.3302, 14.4511)
contains.

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Color

**XYZ(29.8285, 44.1839,
14.3534)**

Conversions

Conversions Part 1

Format	Color
Hex	80C34F
RGB	128, 195, 79
RGB Percent	50%, 76%, 31%
CMY	0.4980, 0.2353, 0.6902
CMYK	0.34, 0.00, 0.59, 0.24
HSL	95°, 49%, 54%
HSV	95°, 59%, 76%
XYZ	29.8285, 44.1839, 14.3534
YIQ	161.7430, -2.6960, -50.2800

Conversions

Conversions Part 2

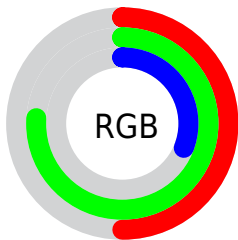
Format	Color
RYB	79, 195, 146
Decimal	8438607
CIELab	72.35, -41.04, 50.54
CIELCh	72, 65.107, 129.078
Yxy	44.1839, 0.3376, 0.5000
Android (android.graphics.Color)	4286628687 (0xFF80C34F)
YUV	161.7430, -40.7923, -29.5926
Hunter-Lab	66.4710, -36.2233, 33.7269

Details

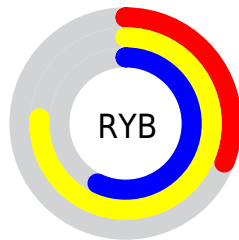
The XYZ color **29.8285, 44.1839, 14.3534** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **24.5024, 15.6445, 53.3604**, and the grayscale version is **34.4091, 36.2011, 39.4230**.

A 20% lighter version of the original color is **58.7424, 81.4771, 34.4604**, and **12.4374, 20.5322, 4.1717** is the 20% darker color. If you saturate the color by 10%, you get **27.6193, 43.1167, 11.0731**, and if you desaturate by 10%, it is **32.4361, 45.4352, 18.7407**.

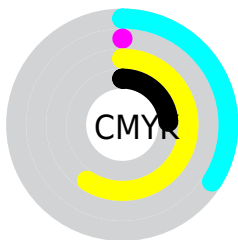
Distribution



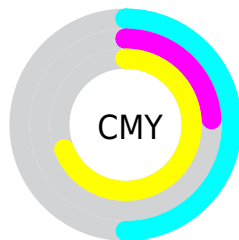
- Red (50%)
- Green (76%)
- Blue (31%)



- Red (31%)
- Yellow (76%)
- Blue (57%)



- Cyan (34%)
- Magenta (0%)
- Yellow (59%)
- Black (24%)



- Cyan (50%)
- Magenta (24%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8285, 44.1839, 14.3534 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 29.8285, 44.1839, 14.3534 by changing the saturation by 10% instead.

■ 29.8285, 44.1839,
14.3534

■ 29.8285, 44.1839,
14.3534

293.0284,
363.4582, 230.9228

■ 19.8559, 30.8151,
8.2253

■ 58.7793, 81.4944,
34.4409

■ 12.3980, 20.4581,
4.1496

■ 78.4883, 106.2049,
49.2374

■ 7.0894, 12.7285,
1.7078

■ 102.1734,
135.4647, 67.7604

■ 3.5649, 7.2418,
0.3661

■ 130.1999,
169.6584, 90.4285

■ 1.4591, 3.6138,
0.0000

■ 162.9334,
209.1701, 117.6603

■ 0.2977, 1.4600,
0.0000

200.7390,

■ 0.0000, 0.2603,

254.3844, 149.8742

0.0000

243.9823,
305.6856, 187.4889

■ 0.0000, 0.0000,
0.0000

■ 29.8285, 44.1839,
14.3534

■ 29.8285, 44.1839,
14.3534

■ 27.6193, 43.1167,
11.0731

■ 32.4361, 45.4352,
18.7407

■ 25.7805, 42.2172,
8.7977

■ 35.4613, 46.8744,
24.3196

■ 24.2844, 41.4751,
7.4111

■ 38.9257, 48.5123,
31.1694

■ 23.0840, 40.8707,
6.7010

■ 42.8481, 50.3571,
39.3622

■ 23.0276, 40.8423,
6.6697

■ 47.2463, 52.4165,
48.9644

■ 52.1371, 54.6977,
60.0380

■ 57.5362, 57.2077,
72.6414

■ 63.4589, 59.9530,
86.8299

■ 69.9194, 62.9400,
102.6559

Harmonies

Analogous

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



38.6880, 44.1839, 9.2871



29.8285, 44.1839, 14.3534



24.9183, 44.1839, 29.2716

Triad

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



29.8285, 44.1839, 14.3534



34.7639, 44.1839, 131.7922



67.0576, 44.1839, 39.0178

Complementary

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



29.8285, 44.1839, 14.3534



24.5024, 15.6445, 53.3604

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.



65.4982, 44.1839, 73.6702



29.8285, 44.1839, 14.3534



45.4863, 44.1839, 138.3484

Square

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



29.8285, 44.1839, 14.3534



27.3958, 44.1839, 98.4120



57.0890, 44.1839, 113.6411



61.0334, 44.1839, 18.7592

Rectangle

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



29.8285, 44.1839, 14.3534



23.9308, 44.1839, 47.1226



57.0890, 44.1839, 113.6411



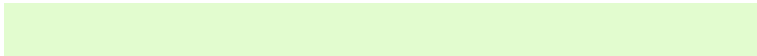
67.4230, 44.1839, 49.1085

Sweetspot

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



29.8296, 44.1858, 14.3544



77.6431, 90.6107, 72.4346



34.0034, 32.3378, 11.8475



16.5209, 19.6166, 14.8331



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.



29.8296, 44.1858, 14.3544



48.5410, 76.7695, 18.5996



24.4503, 41.3783, 15.6587



10.3387, 11.4620, 10.7294



15.0576, 26.5913, 4.3390



0.7292, 1.1894, 0.1912

Inverse Universe

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



24.5024, 15.6445, 53.3604



38.1113, 21.1665, 94.5466



34.3016, 20.7946, 49.3717



10.0729, 10.0288, 12.6897



10.8956, 4.8773, 33.9238



0.5481, 0.2506, 1.4694

Previews

White Background



This preview shows how the XYZ color 29.8285, 44.1839, 14.3534 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 29.8285, 44.1839, 14.3534 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 29.8285, 44.1839, 14.3534

Background



This preview shows how black text looks on a background with the XYZ color 29.8285, 44.1839, 14.3534.



This preview shows how white text looks on a background with the XYZ color 29.8285, 44.1839,

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

29.8285, 44.1839, 14.3534

Protanopia

39.9841, 43.8090, 12.8272

Deuteranopia

44.6364, 43.5988, 15.0796



Tritanopia

38.9806, 44.0552, 59.8751

Trichromacy



Original Color

29.8285, 44.1839, 14.3534



Protanomaly

35.4583, 43.5734, 13.3791



Deuteranomaly

37.5282, 42.7952, 14.6699



Tritanomaly

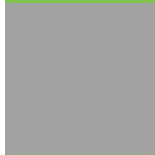
34.3342, 43.3962, 37.5770

Monochromacy



Original Color

29.8285, 44.1839, 14.3534



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.8786, 38.4221, 27.5658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8285, 44.1839, 14.3534 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(128, 195, 79)` looks like.

```
.text, #text, p{  
    color:rgb(128, 195, 79)  
}
```

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(128, 195, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 195, 79) }
```

Border

The CSS property to change the border of an element to XYZ 29.8285, 44.1839, 14.3534 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(128, 195, 79) }
```


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

```
.border{ border-color:rgb(128, 195, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 195, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 195, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 195, 79);  
box-shadow:4px 4px 4px 4px rgb(128, 195,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8285, 44.1839, 14.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 195, 79) }
```

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

```
.background{ background-color: rgb(128,  
195, 79) }
```

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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