

Converting Colors

XYZ(29.9894, 34.6084, 6.5383)

Have a look what the booklet for
XYZ(29.9894, 34.6084, 6.5383)
contains.

XYZ(29.9894, 34.6084, 6.5383)	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(29.9894, 34.6084,
6.5383)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA221
RGB	171, 162, 33
RGB Percent	67%, 64%, 13%
CMY	0.3294, 0.3647, 0.8706
CMYK	0.00, 0.05, 0.81, 0.33
HSL	56°, 68%, 40%
HSV	56°, 81%, 67%
XYZ	29.9894, 34.6084, 6.5383
YIQ	149.9850, 46.7730, -38.2110

Conversions

Conversions Part 2

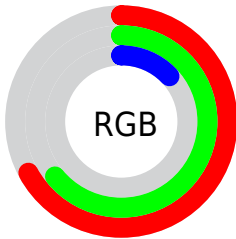
Format	Color
RYB	43, 171, 33
Decimal	11248161
CIELab	65.44, -10.65, 62.10
CIELCh	65, 63.007, 99.735
Yxy	34.6084, 0.4216, 0.4865
Android (android.graphics.Color)	4289438241 (0xFFABA221)
YUV	149.9850, -57.6736, 18.4302
Hunter-Lab	58.8289, -11.9561, 34.5907

Details

The XYZ color **29.9894, 34.6084, 6.5383** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.8060, 4.9196, 39.0131**, and the grayscale version is **29.2072, 30.7283, 33.4631**.

A 20% lighter version of the original color is **59.2914, 67.1869, 19.5162**, and **12.7547, 15.0137, 2.2257** is the 20% darker color. If you saturate the color by 10%, you get **29.6129, 34.1464, 5.5167**, and if you desaturate by 10%, it is **30.4908, 35.1258, 8.2025**.

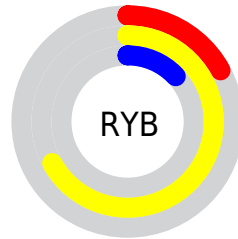
Distribution



Red (67%)

Green (64%)

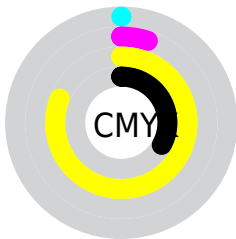
Blue (13%)



Red (17%)

Yellow (67%)

Blue (13%)

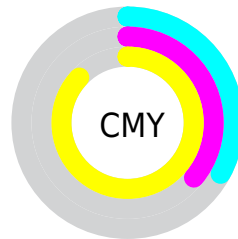


Cyan (0%)

Magenta (5%)

Yellow (81%)

Black (33%)



Cyan (33%)


Magenta (36%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9894, 34.6084, 6.5383 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 29.9894, 34.6084, 6.5383 by changing the saturation by 10% instead.


 29.9894, 34.6084,
6.5383


 29.9894, 34.6084,
6.5383


293.7658,
322.8364, 173.2529


 19.9786, 23.3614,
3.1010


 59.0322, 66.8787,
19.5350

 12.4876, 14.8606,
1.1465


 78.7948, 88.6707,
29.9315


 7.1513, 8.7216,
0.0000


 102.5388,
114.7465, 43.4848

 3.6040, 4.5600,
0.0000

 130.6294,
145.4906, 60.6136

 1.4807, 1.9915,
0.0000

 163.4321,
181.2872, 81.7362

 0.3126, 0.6025,
0.0000

 201.3121,

 0.0000, 0.0000,

222.5208, 107.2713

0.0000

244.6349,
269.5757, 137.6373

■ 29.9894, 34.6084,
6.5383

■ 29.9894, 34.6084,
6.5383

■ 29.6129, 34.1464,
5.5167

■ 30.4908, 35.1258,
8.2025

■ 29.3398, 33.7487,
4.9678

■ 31.1311, 35.7003,
10.5926

■ 31.9247, 36.3389,
13.7818

■ 32.8839, 37.0465,
17.8338

■ 34.0193, 37.8275,
22.8058

■ 35.3411, 38.6858,
28.7501

■ 36.8584, 39.6251,
35.7152

■ 38.5797, 40.6489,
43.7462

■ 40.5132, 41.7604,
52.8856

Harmonies

Analogous

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



39.4184, 34.6084, 7.3169



29.9894, 34.6084, 6.5383



22.8215, 34.6084, 10.5862

Triad

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



29.9894, 34.6084, 6.5383



21.0670, 34.6084, 80.2979



52.4644, 34.6084, 58.1246

Complementary

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



29.9894, 34.6084, 6.5383



8.8060, 4.9196, 39.0131

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.



45.5650, 34.6084, 91.7001



29.9894, 34.6084, 6.5383



27.1329, 34.6084, 108.1091

Square

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



29.9894, 34.6084, 6.5383



18.3434, 34.6084, 46.9268



35.9809, 34.6084, 113.0476



53.6214, 34.6084, 29.7400

Rectangle

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



29.9894, 34.6084, 6.5383



19.8454, 34.6084, 17.4626



35.9809, 34.6084, 113.0476



50.6860, 34.6084, 69.4664

Sweetspot

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



29.9902, 34.6100, 6.5390



62.3727, 68.6956, 47.3147



17.7600, 9.9145, 3.1874



13.7276, 15.2010, 9.7347



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.9902, 34.6100, 6.5390



52.6276, 60.5463, 9.1040



21.4183, 32.6280, 6.6082



8.6173, 9.2395, 8.5426



22.1331, 25.4716, 3.7500



0.6288, 0.7347, 0.1087

Inverse Universe

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



8.8060, 4.9196, 39.0131



13.5104, 5.8335, 69.4158



12.3889, 6.3451, 39.0995



7.6193, 7.8379, 10.0640



5.6478, 2.4294, 29.2158



0.1704, 0.0941, 0.8172

Previews

White Background



This preview shows how the XYZ color 29.9894, 34.6084, 6.5383 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 29.9894, 34.6084, 6.5383 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 29.9894, 34.6084, 6.5383

Background



This preview shows how black text looks on a background with the XYZ color 29.9894, 34.6084, 6.5383.

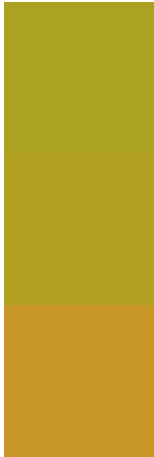


This preview shows how white text looks on a background with the XYZ color 29.9894, 34.6084,

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

29.9894, 34.6084, 6.5383

Protanopia

31.2493, 34.4843, 6.3756

Deuteranopia

35.2522, 34.5591, 6.7320



Tritanopia

36.7335, 34.6013, 39.3930

Trichromacy



Original Color

29.9894, 34.6084, 6.5383

Protanomaly

30.7360, 34.4760, 6.4011

Deuteranomaly

33.0415, 34.3951, 6.6477

Tritanomaly

33.0052, 34.0508, 21.3559

Monochromacy



Original Color

29.9894, 34.6084, 6.5383

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.3100, 31.4418, 18.4867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9894, 34.6084, 6.5383 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(171, 162, 33)` looks like.

```
.text, #text, p{  
    color:rgb(171, 162, 33)  
}
```

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(171, 162, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 162, 33) }
```

Border

The CSS property to change the border of an element to XYZ 29.9894, 34.6084, 6.5383 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(171, 162, 33) }
```


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

```
.border{ border-color:rgb(171, 162, 33) }
```

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

Here you see how a box with a 4 pixel rgb(171, 162, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 162, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 162, 33);  
box-shadow:4px 4px 4px 4px rgb(171, 162,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9894, 34.6084, 6.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 162, 33) }
```

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

```
.background{ background-color: rgb(171,  
162, 33) }
```

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