

Converting Colors

XYZ(34.3088, 31.6513, 4.3010)

Have a look what the booklet for
XYZ(34.3088, 31.6513, 4.3010)
contains.

XYZ(34.2799, 31.5935, 4.2914)	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(34.2799, 31.5935,
4.2914)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8C00
RGB	204, 140, 0
RGB Percent	80%, 55%, 0%
CMY	0.2000, 0.4510, 1.0000
CMYK	0.00, 0.31, 1.00, 0.20
HSL	41°, 100%, 40%
HSV	41°, 100%, 80%
XYZ	34.2799, 31.5935, 4.2914
YIQ	143.1760, 83.0840, -29.9720

Conversions

Conversions Part 2

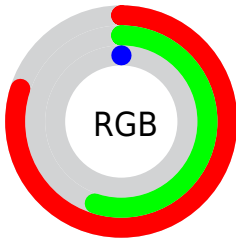
Format	Color
RYB	93, 204, 0
Decimal	13405184
CIELab	63.01, 15.37, 68.15
CIElCh	63, 69.864, 77.294
Yxy	31.5935, 0.4886, 0.4503
Android (android.graphics.Color)	4291595264 (0xFFCC8C00)
YUV	143.1760, -70.5858, 53.3426
Hunter-Lab	56.2081, 10.4985, 34.8190

Details

The XYZ color **34.2799, 31.5935, 4.2914** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **12.7328, 8.0269, 58.0045**, and the grayscale version is **26.4302, 27.8066, 30.2814**.

A 20% lighter version of the original color is **61.4797, 59.8678, 14.4462**, and **15.1578, 13.2416, 1.7570** is the 20% darker color. If you saturate the color by 10%, you get **34.2800, 31.5941, 4.2915**, and if you desaturate by 10%, it is **35.3731, 33.5722, 5.2969**.

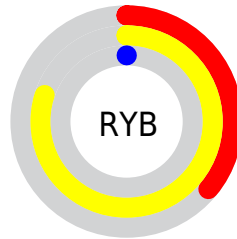
Distribution



Red (80%)

Green (55%)

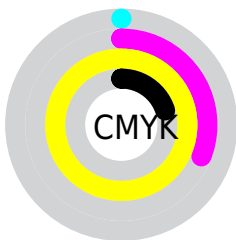
Blue (0%)



Red (36%)

Yellow (80%)

Blue (0%)

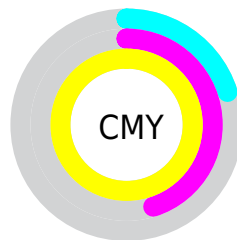


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2799, 31.5935, 4.2914 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 34.2799, 31.5935, 4.2914 by changing the saturation by 10% instead.


 34.2799, 31.5935,
4.2914


 34.2799, 31.5935,
4.2914


312.9423,
309.2633, 151.4112


 23.2726, 21.0512,
1.7865


 65.7101, 62.1733,
14.6764

 14.9167, 13.1614,
0.4190


 86.8637, 82.9795,
23.3937

 8.8469, 7.5398,
0.0000


 112.1302,
107.9759, 35.0188

 4.6978, 3.8019,
0.0000

 141.8748,
137.5468, 49.9703

 2.1040, 1.5634,
0.0000

 176.4630,
172.0766, 68.6667

 0.6914, 0.3327,
0.0000

 216.2601,

 0.0000, 0.0000,

211.9497, 91.5267

0.0000

261.6314,
257.5505, 118.9687

34.2799, 31.5935,
4.2914

34.2799, 31.5935,
4.2914

34.2800, 31.5941,
4.2915

35.3731, 33.5722,
5.2969

36.6579, 35.7147,
7.0421

38.1830, 38.0432,
9.7753

39.9743, 40.5694,
13.6289

42.0537, 43.3034,
18.7150

■ 44.4408, 46.2543,
25.1316

■ 47.1531, 49.4305,
32.9671

■ 50.2065, 52.8394,
42.3020

■ 53.6160, 56.4885,
53.2109

Harmonies

Analogous

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



44.3888, 31.5935, 8.3222



34.2799, 31.5935, 4.2914



24.8628, 31.5935, 4.5711

Triad

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



34.2799, 31.5935, 4.2914



15.6133, 31.5935, 52.6559



45.7603, 31.5935, 84.2355

Complementary

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



34.2799, 31.5935, 4.2914



12.7328, 8.0269, 58.0045

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.



35.8647, 31.5935, 113.7260



34.2799, 31.5935, 4.2914



19.1569, 31.5935, 89.7970

Square

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



34.2799, 31.5935, 4.2914



15.3670, 31.5935, 24.0219



26.1443, 31.5935, 116.1772



51.9068, 31.5935, 47.4046

Rectangle

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



34.2799, 31.5935, 4.2914



20.1648, 31.5935, 7.1362



26.1443, 31.5935, 116.1772



42.6766, 31.5935, 96.0261

Sweetspot

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



34.2806, 31.5951, 4.2920



77.9024, 81.6469, 54.0367



25.8445, 13.2146, 6.1301



16.2512, 16.9864, 10.3252



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.



34.2806, 31.5951, 4.2920



56.5707, 51.9213, 7.0402



37.4450, 51.3575, 7.9397



11.8455, 12.4799, 11.8640



21.6629, 20.0588, 2.7300



1.1835, 1.1668, 0.1628

Inverse Universe

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



12.7328, 8.0269, 58.0045



20.9184, 12.9568, 96.0061



11.6768, 4.7607, 57.4297



10.8841, 11.4087, 14.1988



8.0879, 5.1998, 36.5337



0.4854, 0.4045, 1.9074

Previews

White Background



This preview shows how the XYZ color 34.2799, 31.5935, 4.2914 looks on a white background.

Color Contrast Check

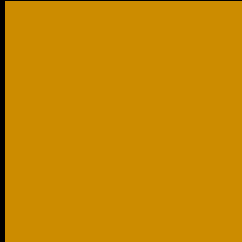
Large Text (above 18pt) WCAG AA × Fail

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 34.2799, 31.5935, 4.2914 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 34.2799, 31.5935, 4.2914

Background



This preview shows how black text looks on a background with the XYZ color 34.2799, 31.5935, 4.2914.



This preview shows how white text looks on a background with the XYZ color 34.2799, 31.5935,

4.2914.

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

34.2799, 31.5935, 4.2914

Protanopia

28.4771, 31.5822, 4.9758

Deuteranopia

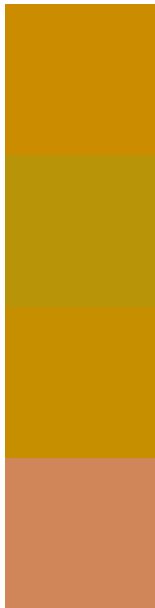
32.1177, 31.5883, 4.4044



Tritanopia

39.2946, 31.5604, 28.8316

Trichromacy



Original Color

34.2799, 31.5935, 4.2914

Protanomaly

30.4009, 31.3877, 4.6859

Deuteranomaly

32.8484, 31.5152, 4.3518

Tritanomaly

36.3407, 31.1814, 13.5544

Monochromacy



Original Color

34.2799, 31.5935, 4.2914

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.0784, 28.1007, 13.8943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2799, 31.5935, 4.2914 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(204, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 140, 0)  
}
```

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(204, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2799, 31.5935, 4.2914 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(204, 140, 0) }
```


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

```
.border{ border-color:rgb(204, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 140,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2799, 31.5935, 4.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 140, 0) }
```

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

```
.background{ background-color: rgb(204,  
140, 0) }
```

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