

Converting Colors

XYZ(34.2492, 31.4430, 4.5570)

Have a look what the booklet for
XYZ(34.2492, 31.4430, 4.5570)
contains.

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Color

**XYZ(34.1892, 31.3245,
4.5314)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8B0A
RGB	204, 139, 10
RGB Percent	80%, 55%, 4%
CMY	0.2000, 0.4549, 0.9607
CMYK	0.00, 0.32, 0.95, 0.20
HSL	40°, 91%, 42%
HSV	40°, 95%, 80%
XYZ	34.1892, 31.3245, 4.5314
YIQ	143.7290, 80.1490, -26.3390

Conversions

Conversions Part 2

Format	Color
RYB	108, 204, 10
Decimal	13404938
CIELab	62.78, 16.02, 66.52
CIELCh	63, 68.422, 76.458
Yxy	31.3245, 0.4881, 0.4472
Android (android.graphics.Color)	4291595018 (0xFFCC8B0A)
YUV	143.7290, -65.9284, 52.8577
Hunter-Lab	55.9683, 11.0953, 34.3775

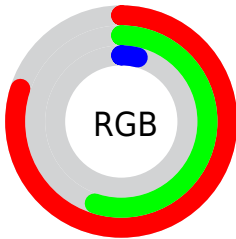
Details

The XYZ color **34.1892, 31.3245, 4.5314** 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 **13.5406, 9.4568, 58.2379**, and the grayscale version is **26.6356, 28.0227, 30.5167**.

A 20% lighter version of the original color is **61.3941, 59.4811, 15.0827**, and **15.0740, 13.0740, 1.7291** is the 20% darker color. If you saturate the color by 10%, you get **33.6568, 30.3477, 4.0838**, and if you desaturate by 10%, it is **35.3955, 33.4417, 5.8453**.

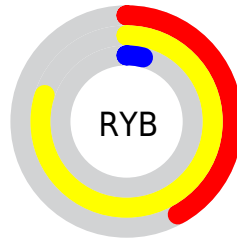
Distribution



Red (80%)

Green (55%)

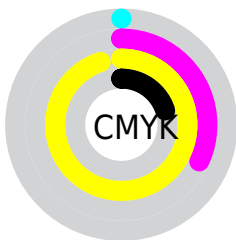
Blue (4%)



Red (42%)

Yellow (80%)

Blue (4%)

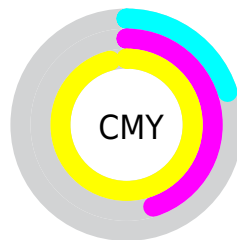


Cyan (0%)

Magenta (32%)

Yellow (95%)

Black (20%)



Cyan (20%)


Magenta (45%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1892, 31.3245, 4.5314 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 34.1892, 31.3245, 4.5314 by changing the saturation by 10% instead.


 34.1892, 31.3245,
4.5314


 34.1892, 31.3245,
4.5314


312.5460,
308.0305, 153.9605


 23.2026, 20.8461,
1.9212


 65.5701, 61.7506,
15.2179


 14.8647, 13.0115,
0.5062


 86.6951, 82.4671,
24.1312


 8.8102, 7.4365,
0.0000


 111.9303,
107.3650, 35.9827

 4.6737, 3.7365,
0.0000

 141.6409,
136.8288, 51.1908

 2.0899, 1.5273,
0.0000

 176.1925,
171.2429, 70.1740

 0.6837, 0.3078,
0.0000

 215.9503,

 0.0000, 0.0000,

210.9916, 93.3511

0.0000

261.2796,
256.4593, 121.1404

34.1892, 31.3245,
4.5314

34.1892, 31.3245,
4.5314

33.6568, 30.3477,
4.0838

35.3955, 33.4417,
5.8453

36.8331, 35.7509,
8.0693

38.5317, 38.2669,
11.3520

40.5153, 41.0010,
15.8146

42.8047, 43.9633,
21.5617

■ 45.4186, 47.1626,
28.6865

■ 48.3739, 50.6073,
37.2731

■ 51.6861, 54.3053,
47.3992

■ 55.3698, 58.2637,
59.1368

Harmonies

Analogous

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



43.9717, 31.3245, 8.7270



34.1892, 31.3245, 4.5314



24.9597, 31.3245, 4.7105

Triad

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



34.1892, 31.3245, 4.5314



15.6335, 31.3245, 50.8931



44.8170, 31.3245, 83.3615

Complementary

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



34.1892, 31.3245, 4.5314



13.5406, 9.4568, 58.2379

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.



35.1685, 31.3245, 111.2642



34.1892, 31.3245, 4.5314



19.0162, 31.3245, 86.7722

Square

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



34.1892, 31.3245, 4.5314



15.4797, 31.3245, 23.4054



25.7545, 31.3245, 112.7641



50.9214, 31.3245, 47.6559

Rectangle

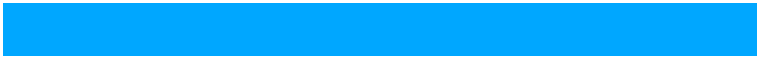
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.1892, 31.3245, 4.5314



20.3078, 31.3245, 7.1789



25.7545, 31.3245, 112.7641



41.7993, 31.3245, 94.6272

Sweetspot

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



34.1899, 31.3261, 4.5320



77.9448, 81.3167, 55.3305



26.3820, 13.6033, 8.4253



16.2385, 16.8830, 10.5612



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.



34.1899, 31.3261, 4.5320



55.5335, 49.8469, 6.6945



39.3044, 52.3097, 8.3127



11.8249, 12.4388, 11.8571



21.2730, 19.2789, 2.6000



1.1656, 1.1308, 0.1568

Inverse Universe

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



13.5406, 9.4568, 58.2379



21.3328, 13.7856, 96.1443



11.8484, 5.0103, 57.4688



10.9038, 11.4480, 14.2054



8.2516, 5.5272, 36.5882



0.4955, 0.4247, 1.9108

Previews

White Background



This preview shows how the XYZ color 34.1892, 31.3245, 4.5314 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 34.1892, 31.3245, 4.5314 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 34.1892, 31.3245, 4.5314

Background



This preview shows how black text looks on a background with the XYZ color 34.1892, 31.3245, 4.5314.



This preview shows how white text looks on a background with the XYZ color 34.1892, 31.3245,

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

34.1892, 31.3245, 4.5314

Protanopia

28.4980, 31.5905, 5.0858

Deuteranopia

31.9656, 31.2840, 4.3536



Tritanopia

39.0888, 31.2662, 28.4009

Trichromacy



Original Color

34.1892, 31.3245, 4.5314

Protanomaly

30.4363, 31.4019, 4.8725

Deuteranomaly

32.7209, 31.2251, 4.4173

Tritanomaly

36.3317, 30.9577, 14.1858

Monochromacy



Original Color

34.1892, 31.3245, 4.5314

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.4644, 28.2792, 14.8374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1892, 31.3245, 4.5314 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, 139, 10)` looks like.

```
.text, #text, p{  
    color:rgb(204, 139, 10)  
}
```

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, 139, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 139, 10) }
```

Border

The CSS property to change the border of an element to XYZ 34.1892, 31.3245, 4.5314 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, 139, 10) }
```


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

```
.border{ border-color:rgb(204, 139, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 139, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 139, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 139, 10);  
box-shadow:4px 4px 4px 4px rgb(204, 139,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1892, 31.3245, 4.5314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 139, 10) }
```

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

```
.background{ background-color: rgb(204,  
139, 10) }
```

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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