

Converting Colors

XYZ(34.1898, 28.2236, 3.6457)

Have a look what the booklet for
XYZ(34.1898, 28.2236, 3.6457)
contains.

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Color

**XYZ(34.2343, 28.1630,
3.6316)**

Conversions

Conversions Part 1

Format	Color
Hex	D47B00
RGB	212, 123, 0
RGB Percent	83%, 48%, 0%
CMY	0.1686, 0.5176, 1.0000
CMYK	0.00, 0.42, 1.00, 0.17
HSL	35°, 100%, 42%
HSV	35°, 100%, 83%
XYZ	34.2343, 28.1630, 3.6316
YIQ	135.5890, 92.5270, -19.3850

Conversions

Conversions Part 2

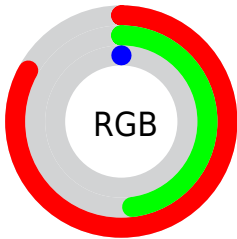
Format	Color
RYB	153, 212, 0
Decimal	13925120
CIELab	60.04, 28.01, 66.72
CIElCh	60, 72.358, 67.226
Yxy	28.1630, 0.5185, 0.4265
Android (android.graphics.Color)	4292115200 (0xFFD47B00)
YUV	135.5890, -66.8454, 67.0124
Hunter-Lab	53.0688, 22.2786, 33.0908

Details

The XYZ color **34.2343, 28.1630, 3.6316** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.4559, 11.8980, 63.7686**, and the grayscale version is **23.4668, 24.6889, 26.8862**.

A 20% lighter version of the original color is **57.8395, 52.7403, 12.7617**, and **15.1450, 11.3444, 1.3915** is the 20% darker color. If you saturate the color by 10%, you get **34.2345, 28.1638, 3.6318**, and if you desaturate by 10%, it is **35.5269, 30.5289, 4.7397**.

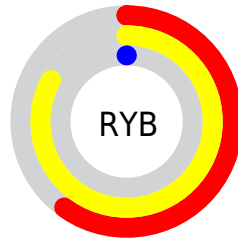
Distribution



Red (83%)

Green (48%)

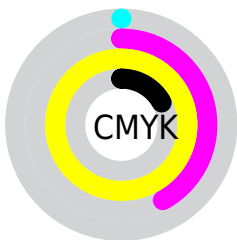
Blue (0%)



Red (60%)

Yellow (83%)

Blue (0%)

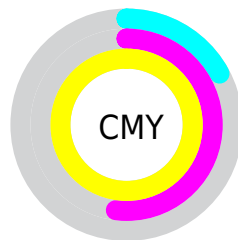


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2343, 28.1630, 3.6316 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 34.2343, 28.1630, 3.6316 by changing the saturation by 10% instead.


 34.2343, 28.1630,
3.6316


 34.2343, 28.1630,
3.6316


312.7431,
293.2450, 144.0381


 23.2374, 18.4486,
1.4255


 65.6397, 56.7446,
13.1508


 14.8906, 11.2725,
0.1615


 86.7790, 76.3805,
21.3010


 8.8284, 6.2504,
0.0000


 112.0297,
100.0924, 32.2696

 4.6857, 2.9980,
0.0000

 141.7573,
128.2646, 46.4752

 2.0969, 1.1307,
0.0000

 176.3270,
161.2816, 64.3363


 0.6875, 0.0040,
0.0000


 216.1044,


 0.0000, 0.0000,


199.5277, 86.2714


0.0000


 261.4546,
243.3874, 112.6992


 34.2343, 28.1630,
3.6316


 34.2343, 28.1630,
3.6316


 34.2345, 28.1638,
3.6318

 35.5269, 30.5289,
4.7397

 37.0726, 33.1595,
6.6753

 38.9247, 36.0813,
9.7048

 41.1134, 39.3102,
13.9747

 43.6642, 42.8602,
19.6088

■ 46.5999, 46.7438,
26.7155

■ 49.9411, 50.9728,
35.3923

■ 53.7065, 55.5582,
45.7281

■ 57.9138, 60.5101,
57.8054

Harmonies

Analogous

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



43.5125, 28.1630, 9.0623



34.2343, 28.1630, 3.6316



24.5993, 28.1630, 2.8399

Triad

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



34.2343, 28.1630, 3.6316



12.7505, 28.1630, 37.5054



38.9902, 28.1630, 91.4672

Complementary

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



34.2343, 28.1630, 3.6316



15.4559, 11.8980, 63.7686

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.



29.0608, 28.1630, 113.6542



34.2343, 28.1630, 3.6316



14.9872, 28.1630, 72.7810

Square

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



34.2343, 28.1630, 3.6316



13.5227, 28.1630, 14.9100



20.4749, 28.1630, 105.3506



46.6690, 28.1630, 54.8183

Rectangle

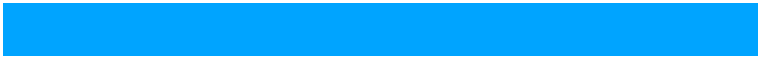
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.2343, 28.1630, 3.6316



19.4485, 28.1630, 4.0487



20.4749, 28.1630, 105.3506



35.7263, 28.1630, 101.6001

Sweetspot

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



34.2349, 28.1645, 3.6321



75.6834, 77.2090, 53.2970



29.0773, 14.7675, 11.4133



15.7219, 15.9277, 10.1488



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.



34.2349, 28.1645, 3.6321



51.8226, 42.4252, 5.4575



46.7967, 59.0741, 8.9362



13.0157, 13.6056, 13.1009



21.2360, 17.5892, 2.2758



1.3619, 1.2230, 0.1643

Inverse Universe

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



15.4559, 11.8980, 63.7686



23.3125, 17.7451, 96.8042



12.0669, 4.8480, 62.5865



12.1667, 12.8569, 15.7779



9.6358, 7.5333, 39.3994



0.6620, 0.6161, 2.4033

Previews

White Background



This preview shows how the XYZ color 34.2343, 28.1630, 3.6316 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 34.2343, 28.1630, 3.6316 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2343, 28.1630, 3.6316

Background



This preview shows how black text looks on a background with the XYZ color 34.2343, 28.1630, 3.6316.



This preview shows how white text looks on a background with the XYZ color 34.2343, 28.1630,

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

34.2343, 28.1630, 3.6316

Protanopia

25.6899, 28.4908, 4.6756

Deuteranopia

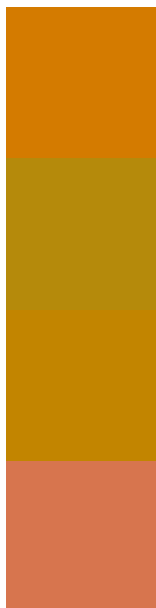
28.8556, 28.3673, 3.9546



Tritanopia

37.9114, 28.0636, 22.1576

Trichromacy



Original Color

34.2343, 28.1630, 3.6316

Protanomaly

28.2049, 28.0249, 4.2394

Deuteranomaly

30.6357, 28.2444, 3.8370

Tritanomaly

35.7608, 27.7197, 10.6734

Monochromacy



Original Color

34.2343, 28.1630, 3.6316

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.1464, 24.8132, 12.4809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2343, 28.1630, 3.6316 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(212, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 123, 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(212, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2343, 28.1630, 3.6316 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(212, 123, 0) }
```


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

```
.border{ border-color:rgb(212, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 123,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2343, 28.1630, 3.6316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 123, 0) }
```

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

```
.background{ background-color: rgb(212,  
123, 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](#).

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