

Converting Colors

XYZ(33.8018, 26.3503, 3.3046)

Have a look what the booklet for
XYZ(33.8018, 26.3503, 3.3046)
contains.

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Color

**XYZ(33.7489, 26.3308,
3.3036)**

Conversions

Conversions Part 1

Format	Color
Hex	D67200
RGB	214, 114, 0
RGB Percent	84%, 45%, 0%
CMY	0.1608, 0.5529, 1.0000
CMYK	0.00, 0.47, 1.00, 0.16
HSL	32°, 100%, 42%
HSV	32°, 100%, 84%
XYZ	33.7489, 26.3308, 3.3036
YIQ	130.9040, 96.1940, -14.2540

Conversions

Conversions Part 2

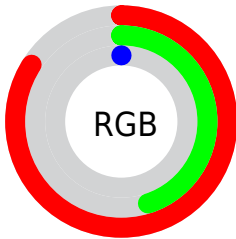
Format	Color
RYB	188, 214, 0
Decimal	14053888
CIELab	58.35, 33.59, 65.81
CIElCh	58, 73.886, 62.962
Yxy	26.3308, 0.5325, 0.4154
Android (android.graphics.Color)	4292243968 (0xFFD67200)
YUV	130.9040, -64.5357, 72.8752
Hunter-Lab	51.3135, 27.6007, 32.1024

Details

The XYZ color **33.7489, 26.3308, 3.3036** 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 **16.6948, 13.9694, 65.4343**, and the grayscale version is **21.7394, 22.8715, 24.9071**.

A 20% lighter version of the original color is **56.1021, 49.3148, 12.0306**, and **14.7823, 10.3422, 1.2171** is the 20% darker color. If you saturate the color by 10%, you get **33.7490, 26.3314, 3.3037**, and if you desaturate by 10%, it is **35.0790, 28.7686, 4.4335**.

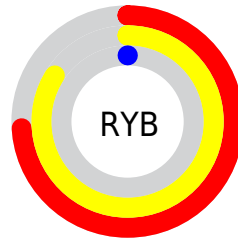
Distribution



Red (84%)

Green (45%)

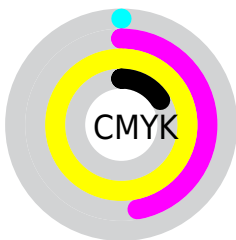
Blue (0%)



Red (74%)

Yellow (84%)

Blue (0%)

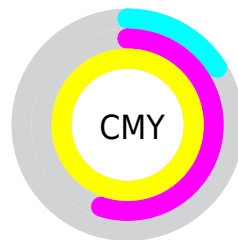


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7489, 26.3308, 3.3036 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 33.7489, 26.3308, 3.3036 by changing the saturation by 10% instead.

33.7489, 26.3308,
3.3036

33.7489, 26.3308,
3.3036

310.6166,
284.4022, 140.1382

22.8627, 17.0713,
1.2517

64.8899, 53.8081,
12.3688

14.6123, 10.2853,
0.0217

85.8754, 72.7947,
20.2192

8.6323, 5.5885,
0.0000

110.9581, 95.7925,
30.8395

4.5573, 2.5965,
0.0000

140.5033,
123.1858, 44.6482

2.0220, 0.9249,
0.0000

174.8765,
155.3590, 62.0639


0.6463, 0.0000,
0.0000


214.4428,


0.0000, 0.0000,


192.6965, 83.5051


0.0000


 259.5677,
235.5828, 109.3903


 33.7489, 26.3308,
3.3036


 33.7489, 26.3308,
3.3036


 33.7490, 26.3314,
3.3037

 35.0790, 28.7686,
4.4335

 36.6898, 31.5209,
6.4174

 38.6368, 34.6168,
9.5268

 40.9518, 38.0746,
13.9121

 43.6619, 41.9104,
19.7002

■ 46.7914, 46.1391,
27.0025

■ 50.3622, 50.7745,
35.9189

■ 54.3944, 55.8294,
46.5410

■ 58.9069, 61.3161,
58.9531

Harmonies

Analogous

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



42.5407, 26.3308, 9.2718



33.7489, 26.3308, 3.3036



24.1429, 26.3308, 2.1914

Triad

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



33.7489, 26.3308, 3.3036



11.4146, 26.3308, 31.3083



35.6753, 26.3308, 93.6215

Complementary

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



33.7489, 26.3308, 3.3036



16.6948, 13.9694, 65.4343

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.



25.9317, 26.3308, 112.1423



33.7489, 26.3308, 3.3036



13.1314, 26.3308, 64.9844

Square

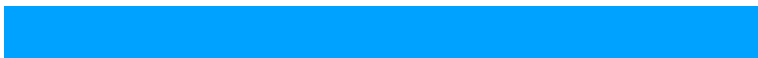
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.7489, 26.3308, 3.3036



12.5581, 26.3308, 11.5231



17.9537, 26.3308, 99.3734



43.8273, 26.3308, 57.6256

Rectangle

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



33.7489, 26.3308, 3.3036



18.8630, 26.3308, 2.9631



17.9537, 26.3308, 99.3734



32.4050, 26.3308, 102.8259

Sweetspot

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



33.7495, 26.3322, 3.3041



74.7239, 75.2900, 52.9772



30.2016, 15.2843, 14.3056



15.4943, 15.4725, 10.0729



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.



33.7495, 26.3322, 3.3041



50.0224, 38.8248, 4.8575



50.7482, 61.8580, 9.2653



12.9655, 13.5053, 13.0841



20.5044, 16.1261, 2.0319



1.3193, 1.1377, 0.1501

Inverse Universe

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



16.6948, 13.9694, 65.4343



24.6652, 20.4505, 97.2551



12.1823, 4.8782, 63.9174



12.2162, 12.9558, 15.7944



10.1929, 8.6475, 39.5851



0.6972, 0.6864, 2.4151

Previews

White Background



This preview shows how the XYZ color 33.7489, 26.3308, 3.3036 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 33.7489, 26.3308, 3.3036 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 33.7489, 26.3308, 3.3036

Background



This preview shows how black text looks on a background with the XYZ color 33.7489, 26.3308, 3.3036.



This preview shows how white text looks on a background with the XYZ color 33.7489, 26.3308,

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

33.7489, 26.3308, 3.3036

Protanopia

23.9321, 26.4644, 4.4190

Deuteranopia

26.8852, 26.5152, 3.7009



Tritanopia

37.0481, 26.4057, 18.7670

Trichromacy



Original Color

33.7489, 26.3308, 3.3036

Protanomaly

26.7671, 25.8405, 3.8935

Deuteranomaly

29.0752, 26.2551, 3.5353

Tritanomaly

35.2536, 26.1569, 9.3216

Monochromacy



Original Color

33.7489, 26.3308, 3.3036

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.5929, 22.8688, 11.3543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7489, 26.3308, 3.3036 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(214, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 114, 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(214, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.7489, 26.3308, 3.3036 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(214, 114, 0) }
```


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

```
.border{ border-color:rgb(214, 114, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 114, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 114,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7489, 26.3308, 3.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 114, 0) }
```

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

```
.background{ background-color: rgb(214,  
114, 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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