

Converting Colors

XYZ(33.2675, 26.4343, 4.0732)

Have a look what the booklet for
XYZ(33.2675, 26.4343, 4.0732)
contains.

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Color

**XYZ(33.2447, 26.3938,
4.0518)**

Conversions

Conversions Part 1

Format	Color
Hex	D37415
RGB	211, 116, 21
RGB Percent	83%, 45%, 8%
CMY	0.1726, 0.5451, 0.9176
CMYK	0.00, 0.45, 0.90, 0.17
HSL	30°, 82%, 45%
HSV	30°, 90%, 83%
XYZ	33.2447, 26.3938, 4.0518
YIQ	133.5750, 87.1150, -9.4050

Conversions

Conversions Part 2

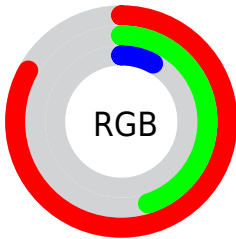
Format	Color
R_{YB}	211, 211, 21
Decimal	13857813
CIE Lab	58.41, 31.56, 61.52
CIE LCh	58, 69.142, 62.842
Yxy	26.3938, 0.5220, 0.4144
Android (android.graphics.Color)	4292047893 (0xFFD37415)
YUV	133.5750, -55.4995, 67.9017
Hunter-Lab	51.3749, 25.6013, 31.2864

Details

The XYZ color **33.2447, 26.3938, 4.0518** 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 **18.3122, 17.3528, 64.0117**, and the grayscale version is **22.6796, 23.8607, 25.9843**.

A 20% lighter version of the original color is **56.7675, 50.1718, 13.7133**, and **14.5259, 10.3805, 1.2380** is the 20% darker color. If you saturate the color by 10%, you get **31.9669, 24.0550, 2.9582**, and if you desaturate by 10%, it is **34.8157, 29.0810, 5.9785**.

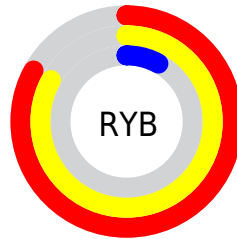
Distribution



Red (83%)

Green (45%)

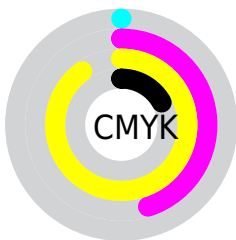
Blue (8%)



Red (83%)

Yellow (83%)

Blue (8%)

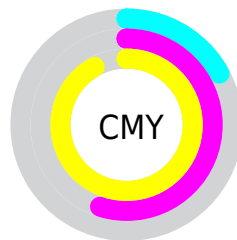


Cyan (0%)

Magenta (45%)

Yellow (90%)

Black (17%)



Cyan (17%)

Magenta (55%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2447, 26.3938, 4.0518 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 33.2447, 26.3938, 4.0518 by changing the saturation by 10% instead.

33.2447, 26.3938,
4.0518

33.2447, 26.3938,
4.0518

308.3964,
284.7099, 148.7994

22.4741, 17.1185,
1.6538

64.1095, 53.9096,
14.1290

14.3242, 10.3190,
0.3288

84.9344, 72.9188,
22.6454

8.4297, 5.6110,
0.0000

109.8415, 95.9414,
34.0382

4.4252, 2.6100,
0.0000

139.1960,
123.3619, 48.7262

1.9454, 0.9317,
0.0000

173.3635,
155.5646, 67.1277

0.6030, 0.0000,
0.0000

212.7091,

0.0000, 0.0000,

192.9339, 89.6614

0.0000

257.5983,
235.8542, 116.7458

33.2447, 26.3938,
4.0518

33.2447, 26.3938,
4.0518

31.9669, 24.0550,
2.9582

34.8157, 29.0810,
5.9785

36.7273, 32.1313,
8.9989

39.0118, 35.5653,
13.2588

41.6961, 39.4005,
18.8813

44.8045, 43.6526,
25.9741

■ 48.3587, 48.3363,
34.6341

■ 52.3790, 53.4654,
44.9499

■ 56.8841, 59.0530,
57.0033

■ 61.8918, 65.1116,
70.8707

Harmonies

Analogous

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



41.3358, 26.3938, 10.1868



33.2447, 26.3938, 4.0518



24.2906, 26.3938, 2.8287

Triad

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



33.2447, 26.3938, 4.0518



12.1207, 26.3938, 31.1043



34.9542, 26.3938, 88.1225

Complementary

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



33.2447, 26.3938, 4.0518



18.3122, 17.3528, 64.0117

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.



25.8996, 26.3938, 104.6100



33.2447, 26.3938, 4.0518



13.7751, 26.3938, 62.0207

Square

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



33.2447, 26.3938, 4.0518



13.2427, 26.3938, 12.3190



18.3858, 26.3938, 93.0751



42.4682, 26.3938, 55.5926

Rectangle

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



33.2447, 26.3938, 4.0518



19.3007, 26.3938, 3.6642



18.3858, 26.3938, 93.0751



31.9265, 26.3938, 96.3501

Sweetspot

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



33.2453, 26.3952, 4.0523



75.8637, 76.3012, 57.2672



30.2845, 15.6463, 17.9475



15.8034, 15.7702, 11.1637



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.



33.2453, 26.3952, 4.0523



48.8949, 36.5698, 4.4816



50.2932, 60.4911, 9.7349



12.2901, 12.7709, 12.4293



19.3947, 14.7224, 1.8195



1.1638, 0.9819, 0.1282

Inverse Universe

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



18.3122, 17.3528, 64.0117



25.7033, 22.5266, 97.6011



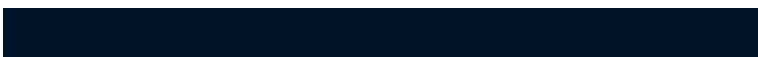
12.3354, 5.3991, 62.0195



11.6450, 12.3803, 15.0195



10.2775, 9.2017, 38.4269



0.6540, 0.6732, 2.1750

Previews

White Background



This preview shows how the XYZ color 33.2447, 26.3938, 4.0518 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 33.2447, 26.3938, 4.0518 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 33.2447, 26.3938, 4.0518

Background



This preview shows how black text looks on a background with the XYZ color 33.2447, 26.3938, 4.0518.



This preview shows how white text looks on a background with the XYZ color 33.2447, 26.3938,

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

33.2447, 26.3938, 4.0518

Protanopia

24.0326, 26.5045, 4.9478

Deuteranopia

26.8852, 26.5152, 3.7009



Tritanopia

36.5393, 26.4332, 19.6993

Trichromacy



Original Color

33.2447, 26.3938, 4.0518

Protanomaly

26.7868, 26.0377, 4.5337

Deuteranomaly

28.8684, 26.1434, 3.7544

Tritanomaly

34.9012, 26.2591, 11.0136

Monochromacy



Original Color

33.2447, 26.3938, 4.0518

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.4654, 23.6504, 13.6314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2447, 26.3938, 4.0518 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(211, 116, 21)` looks like.

```
.text, #text, p{  
    color:rgb(211, 116, 21)  
}
```

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(211, 116, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 116, 21) }
```

Border

The CSS property to change the border of an element to XYZ 33.2447, 26.3938, 4.0518 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(211, 116, 21) }
```


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

```
.border{ border-color:rgb(211, 116, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 116, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 116, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 116, 21);  
box-shadow:4px 4px 4px 4px rgb(211, 116,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2447, 26.3938, 4.0518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 116, 21) }
```

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

```
.background{ background-color: rgb(211,  
116, 21) }
```

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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