

Converting Colors

XYZ(33.3850, 24.3471, 4.2107)

Have a look what the booklet for
XYZ(33.3850, 24.3471, 4.2107)
contains.

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Color

**XYZ(33.4165, 24.3984,
4.2444)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | D8671F |
| RGB | 216, 103, 31 |
| RGB Percent | 85%, 40%, 12% |
| CMY | 0.1529, 0.5960, 0.8784 |
| CMYK | 0.00, 0.52, 0.86, 0.15 |
| HSL | 23°, 75%, 48% |
| HSV | 23°, 86%, 85% |
| XYZ | 33.4165, 24.3984, 4.2444 |
| YIQ | 128.5790, 90.4600, 1.5640 |

Conversions

Conversions Part 2

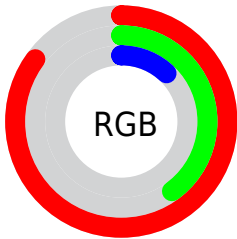
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 216, 149, 31 |
| Decimal | 14182175 |
| CIE _{Lab} | 56.48, 40.46, 57.16 |
| CIE _{LCh} | 56, 70.031, 54.707 |
| Yxy | 24.3984, 0.5385, 0.3931 |
| Android (android.graphics.Color) | 4292372255 (0xFFD8671F) |
| YUV | 128.5790, -48.1064, 76.6682 |
| Hunter-Lab | 49.3947, 34.3179, 29.4816 |

Details

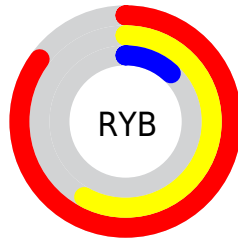
The XYZ color **33.4165, 24.3984, 4.2444** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **22.9320, 25.1938, 68.6195**, and the grayscale version is **20.8605, 21.9469, 23.9002**.

A 20% lighter version of the original color is **54.6898, 45.6615, 14.1147**, and **14.5544, 9.3260, 1.0330** is the 20% darker color. If you saturate the color by 10%, you get **32.0108, 21.9005, 2.8101**, and if you desaturate by 10%, it is **35.2207, 27.3892, 6.7507**.

Distribution



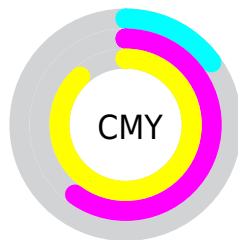
- Red (85%)
- Green (40%)
- Blue (12%)



- Red (85%)
- Yellow (58%)
- Blue (12%)



- Cyan (0%)
- Magenta (52%)
- Yellow (86%)
- Black (15%)





- Cyan (15%)
- Magenta (60%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4165, 24.3984, 4.2444 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 33.4165, 24.3984, 4.2444 by changing the saturation by 10% instead.


 33.4165, 24.3984,
4.2444

 33.4165, 24.3984,
4.2444


309.1543,
274.8285, 150.9043


 22.6065, 15.6294,
1.7604


 64.3756, 50.6796,
14.5696

 14.4223, 9.2623,
0.4016


 85.2553, 68.9605,
23.2479

 8.4986, 4.9127,
0.0000


 110.2224, 91.1809,
34.8279

 4.4701, 2.1961,
0.0000

 139.6420,
117.7252, 49.7283

 1.9714, 0.7179,
0.0000

 173.8797,
148.9777, 68.3676

 0.6178, 0.0000,
0.0000

 213.3007,

 0.0000, 0.0000,

185.3228, 91.1644

0.0000

258.2705,
227.1449, 118.5371

33.4165, 24.3984,
4.2444

33.4165, 24.3984,
4.2444

32.0108, 21.9005,
2.8101

35.2207, 27.3892,
6.7507

31.4946, 20.9507,
2.3839

37.4637, 30.9002,
10.5041

40.1813, 34.9604,
15.6488

43.4046, 39.5953,
22.3087

47.1616, 44.8281,
30.5937

■ 51.4781, 50.6810,
40.6035

■ 56.3781, 57.1747,
52.4296

■ 61.8840, 64.3289,
66.1571

■ 68.0169, 72.1625,
81.8655

Harmonies

Analogous

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



40.4367, 24.3984, 11.9297



33.4165, 24.3984, 4.2444



24.6584, 24.3984, 2.2943

Triad

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



33.4165, 24.3984, 4.2444



10.8703, 24.3984, 22.6553



30.3376, 24.3984, 91.2953

Complementary

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



33.4165, 24.3984, 4.2444



22.9320, 25.1938, 68.6195

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.



21.7810, 24.3984, 100.4628



33.4165, 24.3984, 4.2444



11.7125, 24.3984, 49.9461

Square

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



33.4165, 24.3984, 4.2444



12.6487, 24.3984, 8.2155



15.2969, 24.3984, 82.2313



38.3884, 24.3984, 61.6233

Rectangle

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



33.4165, 24.3984, 4.2444



19.4520, 24.3984, 2.5521



15.2969, 24.3984, 82.2313



27.3785, 24.3984, 97.4049

Sweetspot

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



33.4170, 24.3997, 4.2448



74.5675, 73.2706, 58.1861



33.9260, 17.6258, 28.4359



15.4735, 15.0268, 11.3120



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.



33.4170, 24.3997, 4.2448



45.7258, 30.2315, 3.4253



47.9506, 53.4669, 9.0893



12.8157, 13.2056, 13.0342



18.7394, 12.5961, 1.4436



1.2095, 0.9182, 0.1135

Inverse Universe

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



22.9320, 25.1938, 68.6195



29.8962, 30.9124, 98.9987



14.2140, 7.7577, 65.7135



12.3675, 13.2585, 15.8448



12.3221, 12.9060, 40.2948



0.8225, 0.9371, 2.4568

Previews

White Background



This preview shows how the XYZ color 33.4165, 24.3984, 4.2444 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 33.4165, 24.3984, 4.2444 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 33.4165, 24.3984, 4.2444

Background



This preview shows how black text looks on a background with the XYZ color 33.4165, 24.3984, 4.2444.



This preview shows how white text looks on a background with the XYZ color 33.4165, 24.3984,

4.2444.

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

33.4165, 24.3984, 4.2444

Protanopia

22.3072, 24.5271, 5.4779

Deuteranopia

24.9497, 24.5057, 3.8670



Tritanopia

35.8445, 24.4051, 15.6534

Trichromacy



Original Color

33.4165, 24.3984, 4.2444

Protanomaly

25.4306, 23.7728, 4.9173

Deuteranomaly

27.5909, 24.1785, 3.9222

Tritanomaly

34.7148, 24.3649, 9.8944

Monochromacy



Original Color

33.4165, 24.3984, 4.2444

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.3902, 21.8003, 13.3310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4165, 24.3984, 4.2444 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(216, 103, 31)` looks like.

```
.text, #text, p{  
    color:rgb(216, 103, 31)  
}
```

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(216, 103, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 103, 31) }
```

Border

The CSS property to change the border of an element to XYZ 33.4165, 24.3984, 4.2444 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(216, 103, 31) }
```


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

```
.border{ border-color:rgb(216, 103, 31) }
```

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

Here you see how a box with a 4 pixel rgb(216, 103, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 103, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 103, 31);  
box-shadow:4px 4px 4px 4px rgb(216, 103,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4165, 24.3984, 4.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 103, 31) }
```

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

```
.background{ background-color: rgb(216,  
103, 31) }
```

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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