

Converting Colors

XYZ(33.2143, 24.2715, 2.7556)

Have a look what the booklet for
XYZ(33.2143, 24.2715, 2.7556)
contains.

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Color

**XYZ(33.1692, 24.2994,
2.9421)**

Conversions

Conversions Part 1

Format	Color
Hex	D86700
RGB	216, 103, 0
RGB Percent	85%, 40%, 0%
CMY	0.1529, 0.5961, 1.0000
CMYK	0.00, 0.52, 1.00, 0.15
HSL	29°, 100%, 42%
HSV	29°, 100%, 85%
XYZ	33.1692, 24.2994, 2.9421
YIQ	125.0450, 100.4110, -8.0770

Conversions

Conversions Part 2

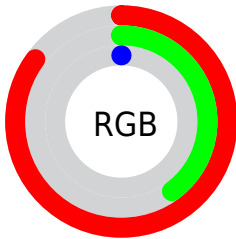
Format	Color
R_{YB}	216, 197, 0
Decimal	14182144
CIE _{Lab}	56.39, 40.01, 64.79
CIE _{LCh}	56, 76.148, 58.302
Yxy	24.2994, 0.5491, 0.4022
Android (android.graphics.Color)	4292372224 (0xFFD86700)
YUV	125.0450, -61.6472, 79.7675
Hunter-Lab	49.2944, 33.8437, 30.9674

Details

The XYZ color **33.1692, 24.2994, 2.9421** 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 **18.2999, 16.7683, 67.2375**, and the grayscale version is **19.6867, 20.7120, 22.5553**.

A 20% lighter version of the original color is **54.1118, 45.4303, 11.0712**, and **14.5544, 9.3260, 1.0330** is the 20% darker color. If you saturate the color by 10%, you get **33.1693, 24.2999, 2.9421**, and if you desaturate by 10%, it is **34.5118, 26.7592, 4.0855**.

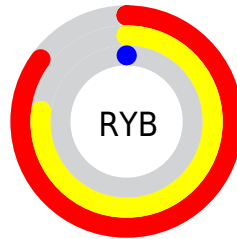
Distribution



Red (85%)

Green (40%)

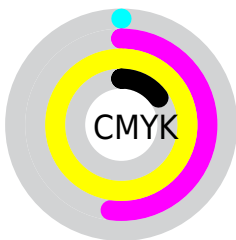
Blue (0%)



Red (85%)

Yellow (77%)

Blue (0%)

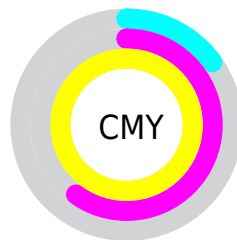


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1692, 24.2994, 2.9421 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 33.1692, 24.2994, 2.9421 by changing the saturation by 10% instead.

 33.1692, 24.2994,
2.9421


 33.1692, 24.2994,
2.9421


308.0630,
274.3307, 135.6197


 22.4160, 15.5559,
1.0651

 63.9925, 50.5183,
11.4852

 14.2812, 9.2104,
0.0000


 84.7933, 68.7625,
18.9885

 8.3995, 4.8787,
0.0000


 109.6739, 90.9424,
29.2043

 4.4056, 2.1763,
0.0000

 138.9999,
117.4423, 42.5511

 1.9340, 0.7070,
0.0000

 173.1364,
148.6467, 59.4475


 0.5965, 0.0000,
0.0000


 212.4488,


 0.0000, 0.0000,


184.9400, 80.3121


0.0000


 257.3026,
226.7065, 105.5633


 33.1692, 24.2994,
2.9421


 33.1692, 24.2994,
2.9421


 33.1693, 24.2999,
2.9421

 34.5118, 26.7592,
4.0855

 36.1692, 29.5960,
6.1118

 38.1996, 32.8429,
9.2979

 40.6371, 36.5217,
13.7981

 43.5112, 40.6522,
19.7429

■ 46.8478, 45.2522,
27.2467

■ 50.6709, 50.3388,
36.4124

■ 55.0024, 55.9275,
47.3338

■ 59.8628, 62.0334,
60.0978

Harmonies

Analogous

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



41.4129, 24.2994, 9.4985



33.1692, 24.2994, 2.9421



23.6006, 24.2994, 1.5710

Triad

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



33.1692, 24.2994, 2.9421



9.9813, 24.2994, 25.0486



32.0767, 24.2994, 96.1057

Complementary

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



33.1692, 24.2994, 2.9421



18.2999, 16.7683, 67.2375

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.



22.5984, 24.2994, 110.3896



33.1692, 24.2994, 2.9421



11.1774, 24.2994, 56.7015

Square

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



33.1692, 24.2994, 2.9421



11.4891, 24.2994, 8.2975



15.3013, 24.2994, 92.7544



40.6777, 24.2994, 60.9343

Rectangle

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



33.1692, 24.2994, 2.9421



18.1823, 24.2994, 1.9704



15.3013, 24.2994, 92.7544



28.8234, 24.2994, 104.2145

Sweetspot

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



33.1697, 24.3007, 2.9425



73.6216, 73.0853, 52.6098



31.4251, 15.8415, 17.6826



15.2338, 14.9515, 9.9861



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.



33.1697, 24.3007, 2.9425



48.1506, 35.0812, 4.2335



51.0701, 60.1016, 8.9093



12.9069, 13.3879, 13.0646



19.7396, 14.5964, 1.7770



1.2732, 1.0455, 0.1347

Inverse Universe

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



18.2999, 16.7683, 67.2375



26.4923, 24.1046, 97.8641



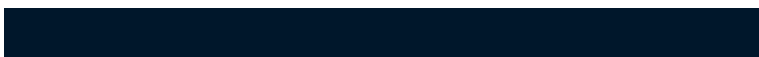
12.4729, 5.1144, 65.2952



12.2748, 13.0730, 15.8139



10.9403, 10.1423, 39.8342



0.7425, 0.7771, 2.4302

Previews

White Background



This preview shows how the XYZ color 33.1692, 24.2994, 2.9421 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 33.1692, 24.2994, 2.9421 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 33.1692, 24.2994, 2.9421

Background



This preview shows how black text looks on a background with the XYZ color 33.1692, 24.2994, 2.9421.



This preview shows how white text looks on a background with the XYZ color 33.1692, 24.2994,

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

33.1692, 24.2994, 2.9421

Protanopia

22.0586, 24.4276, 4.1685

Deuteranopia

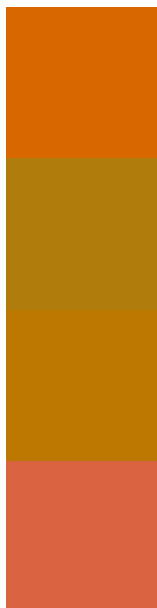
24.8635, 24.4712, 3.4130



Tritanopia

35.7946, 24.3851, 15.3906

Trichromacy



Original Color

33.1692, 24.2994, 2.9421

Protanomaly

25.1785, 23.6720, 3.5899

Deuteranomaly

27.4555, 24.1243, 3.2094

Tritanomaly

34.3294, 24.2108, 7.8648

Monochromacy



Original Color

33.1692, 24.2994, 2.9421

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.9098, 20.5709, 10.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1692, 24.2994, 2.9421 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 103, 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(216, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 103, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.1692, 24.2994, 2.9421 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, 0) }
```


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

```
.border{ border-color:rgb(216, 103, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 103,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1692, 24.2994, 2.9421 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, 0) }
```

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

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