

Converting Colors

XYZ(33.5543, 24.6743, 1.9096)

Have a look what the booklet for
XYZ(33.5543, 24.6743, 1.9096)
contains.

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Color

**XYZ(33.8638, 24.8061,
3.0032)**

Conversions

Conversions Part 1

Format	Color
Hex	DA6800
RGB	218, 104, 0
RGB Percent	85%, 41%, 0%
CMY	0.1451, 0.5921, 1.0000
CMYK	0.00, 0.52, 1.00, 0.15
HSL	29°, 100%, 43%
HSV	29°, 100%, 85%
XYZ	33.8638, 24.8061, 3.0032
YIQ	126.2300, 101.3280, -8.1760

Conversions

Conversions Part 2

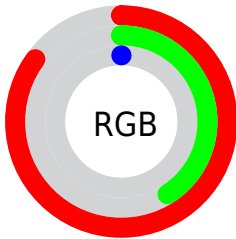
Format	Color
RYB	218, 199, 0
Decimal	14313472
CIELab	56.89, 40.30, 65.24
CIELCh	57, 76.680, 58.296
Yxy	24.8061, 0.5491, 0.4022
Android (android.graphics.Color)	4292503552 (0xFFDA6800)
YUV	126.2300, -62.2314, 80.4823
Hunter-Lab	49.8057, 34.2053, 31.2889

Details

The XYZ color **33.8638, 24.8061, 3.0032** 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 **18.6718, 17.0959, 68.6449**, and the grayscale version is **20.0919, 21.1382, 23.0195**.

A 20% lighter version of the original color is **54.2803, 45.7673, 11.1273**, and **14.7907, 9.5148, 1.0570** is the 20% darker color. If you saturate the color by 10%, you get **33.8640, 24.8069, 3.0034**, and if you desaturate by 10%, it is **35.2334, 27.3170, 4.1649**.

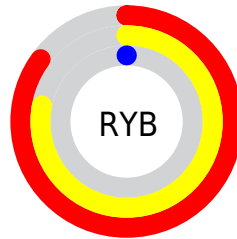
Distribution



Red (85%)

Green (41%)

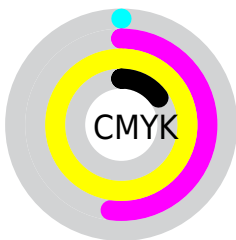
Blue (0%)



Red (85%)

Yellow (78%)

Blue (0%)

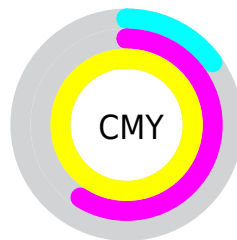


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8638, 24.8061, 3.0032 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 33.8638, 24.8061, 3.0032 by changing the saturation by 10% instead.


 33.8638, 24.8061,
3.0032


 33.8638, 24.8061,
3.0032


311.1209,
276.8709, 136.4014


 22.9514, 15.9327,
1.0963


 65.0675, 51.3425,
11.6363

 14.6781, 9.4765,
0.0000


 86.0895, 69.7742,
19.1996


 8.6786, 5.0533,
0.0000


 111.2121, 92.1608,
29.4854

 4.5876, 2.2786,
0.0000

 140.8006,
118.8867, 42.9123

 2.0396, 0.7623,
0.0000

 175.2204,
150.3363, 59.8988


 0.6561, 0.0000,
0.0000


 214.8368,


 0.0000, 0.0000,


186.8939, 80.8635


0.0000


 260.0152,
228.9440, 106.2248


 33.8638, 24.8061,
3.0032


 33.8638, 24.8061,
3.0032

 33.8640, 24.8069,
3.0034

 35.2334, 27.3170,
4.1649

 36.9249, 30.2130,
6.2297

 38.9972, 33.5278,
9.4789

 41.4854, 37.2837,
14.0707

 44.4195, 41.5009,
20.1386

■ 47.8263, 46.1979,
27.7997

■ 51.7301, 51.3916,
37.1591

■ 56.1534, 57.0984,
48.3129

■ 61.1170, 63.3334,
61.3500

Harmonies

Analogous

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



42.2797, 24.8061, 9.6978



33.8638, 24.8061, 3.0032



24.0945, 24.8061, 1.6031

Triad

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



33.8638, 24.8061, 3.0032



10.1886, 24.8061, 25.5660



32.7445, 24.8061, 98.1246

Complementary

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



33.8638, 24.8061, 3.0032



18.6718, 17.0959, 68.6449

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.



23.0678, 24.8061, 112.7025



33.8638, 24.8061, 3.0032



11.4091, 24.8061, 57.8800

Square

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



33.8638, 24.8061, 3.0032



11.7284, 24.8061, 8.4675



15.6186, 24.8061, 94.6910



41.5265, 24.8061, 62.2165

Rectangle

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



33.8638, 24.8061, 3.0032



18.5624, 24.8061, 2.0105



15.6186, 24.8061, 94.6910



29.4230, 24.8061, 106.4020

Sweetspot

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



33.8643, 24.8075, 3.0036



73.6259, 73.0940, 52.6112



32.0813, 16.1726, 18.0358



15.2348, 14.9536, 9.9864



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.



33.8643, 24.8075, 3.0036



48.1576, 35.0951, 4.2359



52.1412, 61.3612, 9.0959



13.5659, 14.0712, 13.7266



20.3946, 15.0747, 1.8348



1.4072, 1.1485, 0.1475

Inverse Universe

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



18.6718, 17.0959, 68.6449



26.4845, 24.0890, 97.8615



12.7338, 5.2198, 66.6656



12.8993, 13.7383, 16.6240



11.2948, 10.4590, 41.1619



0.8178, 0.8498, 2.6954

Previews

White Background



This preview shows how the XYZ color 33.8638, 24.8061, 3.0032 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 33.8638, 24.8061, 3.0032 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 33.8638, 24.8061, 3.0032

Background



This preview shows how black text looks on a background with the XYZ color 33.8638, 24.8061, 3.0032.



This preview shows how white text looks on a background with the XYZ color 33.8638, 24.8061,

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

33.8638, 24.8061, 3.0032

Protanopia

22.5895, 24.9104, 4.2794

Deuteranopia

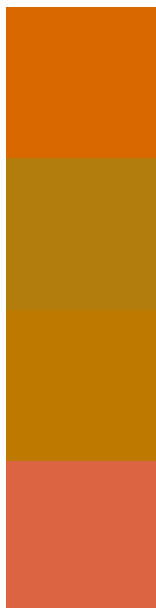
25.2162, 24.8495, 3.4674



Tritanopia

36.5417, 24.9008, 15.7123

Trichromacy



Original Color

33.8638, 24.8061, 3.0032

Protanomaly

25.7664, 24.1613, 3.6863

Deuteranomaly

27.8236, 24.4936, 3.2613

Tritanomaly

35.0557, 24.7233, 8.0787

Monochromacy



Original Color

33.8638, 24.8061, 3.0032

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.2245, 20.9070, 10.4535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8638, 24.8061, 3.0032 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(218, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 104, 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(218, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.8638, 24.8061, 3.0032 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(218, 104, 0) }
```


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

```
.border{ border-color:rgb(218, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 104,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8638, 24.8061, 3.0032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 104, 0) }
```

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

```
.background{ background-color: rgb(218,  
104, 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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