

Converting Colors

XYZ(33.6614, 24.1478, 8.0411)

Have a look what the booklet for
XYZ(33.6614, 24.1478, 8.0411)
contains.

XYZ(33.6614, 24.1478, 8.0411)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.6614, 24.1478,
8.0411)**

Conversions

Conversions Part 1

Format	Color
Hex	D76542
RGB	215, 101, 66
RGB Percent	84%, 40%, 26%
CMY	0.1569, 0.6039, 0.7412
CMYK	0.00, 0.53, 0.69, 0.16
HSL	14°, 65%, 55%
HSV	14°, 69%, 84%
XYZ	33.6614, 24.1478, 8.0411
YIQ	131.0960, 79.1790, 13.2830

Conversions

Conversions Part 2

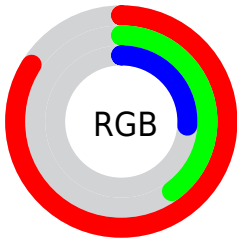
Format	Color
R _Y B	215, 112, 66
Decimal	14116162
CIE Lab	56.24, 42.39, 40.63
CIE LCh	56, 58.723, 43.785
Yxy	24.1478, 0.5112, 0.3667
Android (android.graphics.Color)	4292306242 (0xFFD76542)
YUV	131.0960, -32.0923, 73.5838
Hunter-Lab	49.1404, 36.2776, 24.6964

Details

The XYZ color **33.6614, 24.1478, 8.0411** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **30.8324, 38.7044, 70.1353**, and the grayscale version is **21.6998, 22.8299, 24.8617**.

A 20% lighter version of the original color is **55.8901, 45.6090, 22.0773**, and **14.5510, 9.1172, 1.6547** is the 20% darker color. If you saturate the color by 10%, you get **31.7021, 21.0603, 4.8267**, and if you desaturate by 10%, it is **36.1796, 27.9724, 12.6169**.

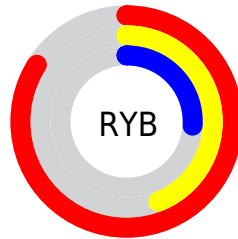
Distribution



Red (84%)

Green (40%)

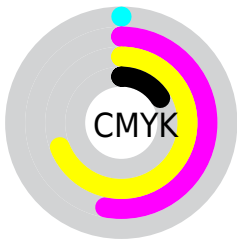
Blue (26%)



Red (84%)

Yellow (44%)

Blue (26%)

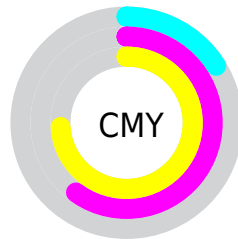


Cyan (0%)

Magenta (53%)

Yellow (69%)

Black (16%)



Cyan (16%)

Magenta (60%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6614, 24.1478, 8.0411 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 33.6614, 24.1478, 8.0411 by changing the saturation by 10% instead.

33.6614, 24.1478,
8.0411

33.6614, 24.1478,
8.0411

310.2322,
273.5669, 186.0007

22.7953, 15.4433,
4.0331

64.7546, 50.2713,
22.5865

14.5623, 9.1311,
1.6435

85.7123, 68.4590,
33.9609

8.5971, 4.8268,
0.3216

110.7646, 90.5767,
48.6280

4.5343, 2.1460,
0.0000

140.2768,
117.0086, 67.0061

2.0086, 0.6903,
0.0000

174.6143,
148.1392, 89.5139

0.6388, 0.0000,
0.0000

214.1425,

0.0000, 0.0000,

184.3528, 116.5699

0.0000

259.2267,
226.0339, 148.5927

■ 33.6614, 24.1478,
8.0411

■ 33.6614, 24.1478,
8.0411

■ 31.7021, 21.0603,
4.8267

■ 36.1796, 27.9724,
12.6169

■ 30.2526, 18.6564,
2.8172

■ 39.2965, 32.5750,
18.6848

■ 29.2453, 16.8761,
1.7591

■ 43.0500, 37.9978,
26.3612

■ 29.1868, 16.7723,
1.6991

■ 47.4742, 44.2790,
35.7507

■ 52.6008, 51.4540,
46.9491

■ 58.4593, 59.5566,
60.0447

■ 65.0775, 68.6185,
75.1205

■ 72.4818, 78.6699,
92.2541

■ 79.9639, 89.4465,
107.6581

Harmonies

Analogous

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



38.0150, 24.1478, 18.3891



33.6614, 24.1478, 8.0411



26.7723, 24.1478, 4.3093

Triad

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



33.6614, 24.1478, 8.0411



12.6041, 24.1478, 17.2149



26.1873, 24.1478, 81.4778

Complementary

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



33.6614, 24.1478, 8.0411



30.8324, 38.7044, 70.1353

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.



19.5132, 24.1478, 80.6134



33.6614, 24.1478, 8.0411



12.5087, 24.1478, 36.1879

Square

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



33.6614, 24.1478, 8.0411



15.0876, 24.1478, 7.5455



14.7951, 24.1478, 61.3371



33.1613, 24.1478, 63.3193

Rectangle

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



33.6614, 24.1478, 8.0411



22.1051, 24.1478, 3.9039



14.7951, 24.1478, 61.3371



23.8198, 24.1478, 83.6005

Sweetspot

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



33.6620, 24.1491, 8.0415



75.8901, 73.6072, 65.7441



38.2345, 21.6484, 45.4680



15.7827, 15.1113, 13.0610



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.



33.6620, 24.1491, 8.0415



45.6035, 29.2790, 5.5671



44.3895, 45.6042, 11.6174



12.6577, 12.8897, 12.9815



17.5254, 10.1681, 1.0390



1.1215, 0.7423, 0.0842

Inverse Universe

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



30.8324, 38.7044, 70.1353



40.9580, 51.5352, 102.3963



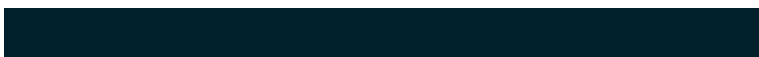
19.6392, 16.3179, 66.4042



12.5334, 13.5902, 15.9001



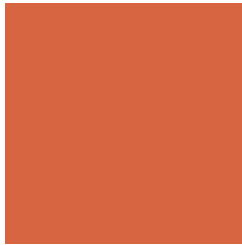
15.4138, 19.0894, 41.3254



0.9910, 1.2739, 2.5130

Previews

White Background



This preview shows how the XYZ color 33.6614, 24.1478, 8.0411 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 33.6614, 24.1478, 8.0411 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 33.6614, 24.1478, 8.0411

Background



This preview shows how black text looks on a background with the XYZ color 33.6614, 24.1478, 8.0411.



This preview shows how white text looks on a background with the XYZ color 33.6614, 24.1478,

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

33.6614, 24.1478, 8.0411

Protanopia

22.2519, 24.1739, 10.7010

Deuteranopia

24.8143, 24.3516, 7.6674



Tritanopia

35.2463, 24.0967, 15.6254

Trichromacy



Original Color

33.6614, 24.1478, 8.0411

Protanomaly

25.3322, 23.4310, 9.6660

Deuteranomaly

27.4739, 23.8557, 7.7140

Tritanomaly

34.5320, 24.0725, 12.4993

Monochromacy



Original Color

33.6614, 24.1478, 8.0411

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.2706, 22.1759, 16.9111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6614, 24.1478, 8.0411 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(215, 101, 66)` looks like.

```
.text, #text, p{  
    color:rgb(215, 101, 66)  
}
```

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(215, 101, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 101, 66) }
```

Border

The CSS property to change the border of an element to XYZ 33.6614, 24.1478, 8.0411 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(215, 101, 66) }
```


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

```
.border{ border-color:rgb(215, 101, 66) }
```

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

Here you see how a box with a 4 pixel rgb(215, 101, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 101, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 101, 66);  
box-shadow:4px 4px 4px 4px rgb(215, 101,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6614, 24.1478, 8.0411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 101, 66) }
```

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

```
.background{ background-color: rgb(215,  
101, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor