

Converting Colors

XYZ(38.9995, 33.6434, 12.0277)

Have a look what the booklet for
XYZ(38.9995, 33.6434, 12.0277)
contains.

XYZ(38.9995, 33.6434, 12.0277)	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(38.9995, 33.6434,
12.0277)**

Conversions

Conversions Part 1

Format	Color
Hex	D88B50
RGB	216, 139, 80
RGB Percent	85%, 55%, 31%
CMY	0.1529, 0.4549, 0.6863
CMYK	0.00, 0.36, 0.63, 0.15
HSL	26°, 64%, 58%
HSV	26°, 63%, 85%
XYZ	38.9995, 33.6434, 12.0277
YIQ	155.2970, 64.8310, -2.0250

Conversions

Conversions Part 2

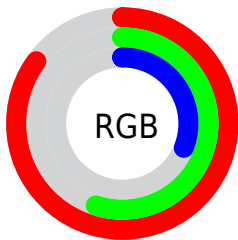
Format	Color
R _Y B	216, 184, 80
Decimal	14191440
CIE Lab	64.68, 23.79, 43.14
CIE LCh	65, 49.264, 61.122
Yxy	33.6434, 0.4606, 0.3973
Android (android.graphics.Color)	4292381520 (0xFFD88B50)
YUV	155.2970, -37.1214, 53.2365
Hunter-Lab	58.0029, 18.5131, 28.3075

Details

The XYZ color **38.9995, 33.6434, 12.0277** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **27.7591, 30.7755, 69.4426**, and the grayscale version is **31.4275, 33.0642, 36.0069**.

A 20% lighter version of the original color is **64.4067, 61.0386, 29.8598**, and **17.6551, 14.2518, 3.1869** is the 20% darker color. If you saturate the color by 10%, you get **36.6534, 30.0298, 7.9213**, and if you desaturate by 10%, it is **41.8017, 37.7591, 17.5520**.

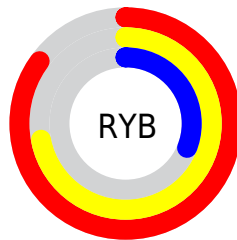
Distribution



Red (85%)

Green (55%)

Blue (31%)



Red (85%)

Yellow (72%)

Blue (31%)

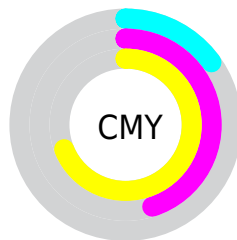


Cyan (0%)

Magenta (36%)

Yellow (63%)

Black (15%)



Cyan (15%)


Magenta (45%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9995, 33.6434, 12.0277 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 38.9995, 33.6434, 12.0277 by changing the saturation by 10% instead.


 38.9995, 33.6434,
12.0277


 38.9995, 33.6434,
12.0277

333.0956,
318.5390, 215.5730


 26.9401, 22.6198,
6.6398


 72.9316, 65.3787,
30.2107

 17.6646, 14.3130,
3.1628


 95.5350, 86.8593,
43.8429


 10.8077, 8.3387,
1.1784


 122.3838,
112.5942, 61.0602

 6.0040, 4.3124,
0.0000

 153.8433,
142.9680, 82.2812

 2.8882, 1.8498,
0.0000

 190.2789,
178.3649, 107.9244

 1.0949, 0.5179,
0.0000

232.0559,

 0.0209, 0.0000,

219.1695, 138.4084

0.0000

279.5396,
265.7661, 174.1518

■ 0.0000, 0.0000,
0.0000

■ 38.9995, 33.6434,
12.0277

■ 38.9995, 33.6434,
12.0277

■ 36.6534, 30.0298,
7.9213

■ 41.8017, 37.7591,
17.5520

■ 34.7290, 26.8901,
5.0939

■ 45.0861, 42.3932,
24.6115

■ 33.1894, 24.1998,
3.3813

■ 48.8792, 47.5670,
33.3130

■ 32.2961, 22.5536,
2.6511

■ 53.2047, 53.2991,
43.7533

■ 58.0847, 59.6072,
56.0216

■ 63.5398, 66.5079,
70.2010

■ 69.5897, 74.0172,
86.3693

■ 76.2529, 82.1504,
104.6001

■ 80.2638, 89.6089,
107.6736

Harmonies

Analogous

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



45.0789, 33.6434, 19.9730



38.9995, 33.6434, 12.0277



31.7117, 33.6434, 9.8713

Triad

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



38.9995, 33.6434, 12.0277



20.2233, 33.6434, 37.3994



39.5280, 33.6434, 81.0731

Complementary

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



38.9995, 33.6434, 12.0277



27.7591, 30.7755, 69.4426

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.



32.2439, 33.6434, 90.9501



38.9995, 33.6434, 12.0277



21.6970, 33.6434, 60.6556

Square

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



38.9995, 33.6434, 12.0277



21.4921, 33.6434, 20.8671



25.8526, 33.6434, 82.3744



45.4143, 33.6434, 58.8267

Rectangle

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



38.9995, 33.6434, 12.0277



27.3256, 33.6434, 10.9996



25.8526, 33.6434, 82.3744



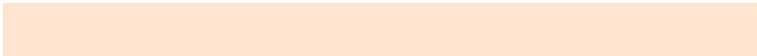
37.1285, 33.6434, 86.2525

Sweetspot

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



39.0003, 33.6451, 12.0283



80.0730, 80.9939, 70.1565



37.2790, 22.7730, 34.3591



16.7133, 16.7823, 13.9571



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.



39.0003, 33.6451, 12.0283



52.2564, 41.9365, 9.7835



52.0633, 59.7712, 16.3827



12.8620, 13.2982, 13.0496



19.2191, 13.5555, 1.6035



1.2406, 0.9805, 0.1239

Inverse Universe

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



27.7591, 30.7755, 69.4426



34.5340, 37.3129, 99.9897



19.2810, 13.8195, 66.6166



12.3202, 13.1637, 15.8290



11.5856, 11.4331, 40.0493



0.7804, 0.8528, 2.4428

Previews

White Background



This preview shows how the XYZ color 38.9995, 33.6434, 12.0277 looks on a white background.

Color Contrast Check

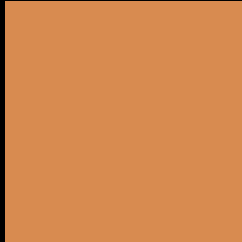
Large Text (above 18pt) WCAG AA × Fail

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 38.9995, 33.6434, 12.0277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

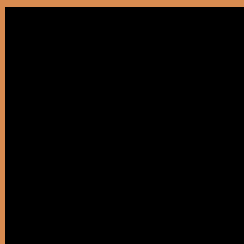
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9995, 33.6434, 12.0277

Background



This preview shows how black text looks on a background with the XYZ color 38.9995, 33.6434, 12.0277.



This preview shows how white text looks on a background with the XYZ color 38.9995, 33.6434,

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

38.9995, 33.6434, 12.0277

Protanopia

30.9703, 33.6701, 13.6708

Deuteranopia

34.5296, 33.8321, 11.9181



Tritanopia

42.6489, 33.6712, 29.8425

Trichromacy



Original Color

38.9995, 33.6434, 12.0277

Protanomaly

33.4928, 33.2716, 13.0443

Deuteranomaly

36.0473, 33.6788, 11.9979

Tritanomaly

41.2072, 33.7199, 21.7895

Monochromacy



Original Color

38.9995, 33.6434, 12.0277

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.7752, 32.4005, 24.9486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9995, 33.6434, 12.0277 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, 139, 80)` looks like.

```
.text, #text, p{  
  color:rgb(216, 139, 80)  
}
```

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, 139, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 139, 80) }
```

Border

The CSS property to change the border of an element to XYZ 38.9995, 33.6434, 12.0277 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, 139, 80) }
```


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

```
.border{ border-color:rgb(216, 139, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 139, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 139, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 139, 80);  
box-shadow:4px 4px 4px 4px rgb(216, 139,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9995, 33.6434, 12.0277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 139, 80) }
```

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

```
.background{ background-color: rgb(216,  
139, 80) }
```

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