

Converting Colors

XYZ(36.8296, 28.7800, 8.1301)

Have a look what the booklet for
XYZ(36.8296, 28.7800, 8.1301)
contains.

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Color

**XYZ(36.7994, 28.8408,
8.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	DB783E
RGB	219, 120, 62
RGB Percent	86%, 47%, 24%
CMY	0.1412, 0.5294, 0.7569
CMYK	0.00, 0.45, 0.72, 0.14
HSL	22°, 69%, 55%
HSV	22°, 72%, 86%
XYZ	36.7994, 28.8408, 8.1847
YIQ	142.9890, 77.6220, 2.9500

Conversions

Conversions Part 2

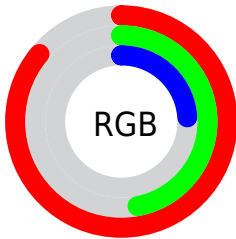
Format	Color
R _Y B	219, 154, 62
Decimal	14383166
CIE Lab	60.64, 34.07, 47.73
CIE LCh	61, 58.646, 54.480
Yxy	28.8408, 0.4985, 0.3907
Android (android.graphics.Color)	4292573246 (0xFFDB783E)
YUV	142.9890, -39.9276, 66.6616
Hunter-Lab	53.7036, 28.3324, 28.5565

Details

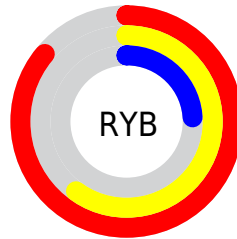
The XYZ color **36.7994, 28.8408, 8.1847** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.5167, 31.6264, 71.6717**, and the grayscale version is **26.2375, 27.6039, 30.0607**.

A 20% lighter version of the original color is **59.1082, 52.3170, 22.3121**, and **16.3511, 11.6736, 1.7080** is the 20% darker color. If you saturate the color by 10%, you get **34.7724, 25.5628, 5.1180**, and if you desaturate by 10%, it is **39.3092, 32.6977, 12.6068**.

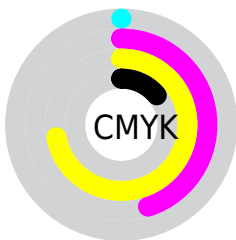
Distribution



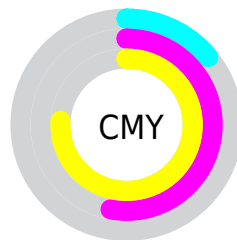
- Red (86%)
- Green (47%)
- Blue (24%)



- Red (86%)
- Yellow (60%)
- Blue (24%)



- Cyan (0%)
- Magenta (45%)
- Yellow (72%)
- Black (14%)





- Cyan (14%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7994, 28.8408, 8.1847 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 36.7994, 28.8408, 8.1847 by changing the saturation by 10% instead.


 36.7994, 28.8408,
8.1847


 36.7994, 28.8408,
8.1847


323.8119,
296.4631, 187.1620

 25.2252, 18.9604,
4.1239


 69.5800, 57.8241,
22.8719


 16.3745, 11.6417,
1.6936


 91.5171, 77.6957,
34.3353

 9.8821, 6.5002,
0.3563


 117.6391,
101.6666, 49.1034

 5.3825, 3.1515,
0.0000

 148.3116,
130.1211, 67.5946

 2.5104, 1.2114,
0.0000

 183.8997,
163.4436, 90.2275

 0.9005, 0.0709,
0.0000

 224.7689,

 0.0000, 0.0000,

202.0185, 117.4207

0.0000

271.2845,
246.2302, 149.5927

■ 36.7994, 28.8408,
8.1847

■ 36.7994, 28.8408,
8.1847

■ 34.7724, 25.5628,
5.1180

■ 39.3092, 32.6977,
12.6068

■ 33.1850, 22.8262,
3.2378

■ 42.3355, 37.1585,
18.5226

■ 32.1492, 20.9318,
2.3458

■ 45.9105, 42.2519,
26.0549

■ 50.0632, 48.0032,
35.3131

■ 54.8202, 54.4362,
46.3970

■ 60.2064, 61.5734,
59.3987

■ 66.2450, 69.4363,
74.4042

■ 72.9583, 78.0453,
91.4939

■ 79.6998, 87.1530,
107.2293

Harmonies

Analogous

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



42.9617, 28.8408, 17.0683



36.7994, 28.8408, 8.1847



28.8409, 28.8408, 5.4629

Triad

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



36.7994, 28.8408, 8.1847



15.2972, 28.8408, 27.5497



33.9178, 28.8408, 86.8958

Complementary

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



36.7994, 28.8408, 8.1847



27.5167, 31.6264, 71.6717

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.



26.0317, 28.8408, 94.1126



36.7994, 28.8408, 8.1847



16.1565, 28.8408, 52.1097

Square

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



36.7994, 28.8408, 8.1847



17.1640, 28.8408, 12.8360



19.7750, 28.8408, 79.2065



41.0945, 28.8408, 62.4972

Rectangle

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



36.7994, 28.8408, 8.1847



23.9216, 28.8408, 5.8240



19.7750, 28.8408, 79.2065



31.2271, 28.8408, 91.7748

Sweetspot

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



36.8001, 28.8423, 8.1852



77.0326, 76.3696, 64.6527



37.4073, 21.0939, 36.0190



16.0790, 15.7967, 12.8738



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.



36.8001, 28.8423, 8.1852



47.8830, 34.0438, 5.6925



50.2921, 55.8263, 12.6825



13.4481, 13.8355, 13.6873



19.1592, 12.6040, 1.4230



1.3220, 0.9781, 0.1191

Inverse Universe

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



27.5167, 31.6264, 71.6717



33.8987, 37.8528, 100.1274



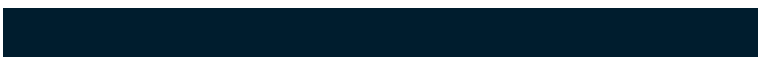
17.8611, 12.3152, 68.4531



13.0195, 13.9787, 16.6641



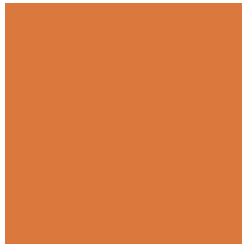
13.0860, 14.0415, 41.7590



0.9291, 1.0723, 2.7325

Previews

White Background



This preview shows how the XYZ color 36.7994, 28.8408, 8.1847 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 36.7994, 28.8408, 8.1847 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 36.7994, 28.8408, 8.1847

Background



This preview shows how black text looks on a background with the XYZ color 36.7994, 28.8408, 8.1847.



This preview shows how white text looks on a background with the XYZ color 36.7994, 28.8408,

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

36.7994, 28.8408, 8.1847

Protanopia

26.6435, 29.0962, 10.0062

Deuteranopia

29.4996, 28.8279, 7.8804



Tritanopia

39.4805, 28.7203, 21.5519

Trichromacy



Original Color

36.7994, 28.8408, 8.1847

Protanomaly

29.4872, 28.3638, 9.2308

Deuteranomaly

31.8056, 28.5541, 7.9728

Tritanomaly

38.3644, 28.7830, 15.5902

Monochromacy



Original Color

36.7994, 28.8408, 8.1847

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.4958, 27.2008, 19.6680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7994, 28.8408, 8.1847 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(219, 120, 62)` looks like.

```
.text, #text, p{  
    color:rgb(219, 120, 62)  
}
```

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(219, 120, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 120, 62) }
```

Border

The CSS property to change the border of an element to XYZ 36.7994, 28.8408, 8.1847 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(219, 120, 62) }
```


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

```
.border{ border-color:rgb(219, 120, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 120, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 120, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 120, 62);  
box-shadow:4px 4px 4px 4px rgb(219, 120,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7994, 28.8408, 8.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 120, 62) }
```

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

```
.background{ background-color: rgb(219,  
120, 62) }
```

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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