

Converting Colors

XYZ(36.9246, 29.0359, 7.9585)

Have a look what the booklet for
XYZ(36.9246, 29.0359, 7.9585)
contains.

XYZ(36.8664, 29.0611, 7.9412)	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(36.8664, 29.0611,
7.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	DB793C
RGB	219, 121, 60
RGB Percent	86%, 47%, 24%
CMY	0.1412, 0.5255, 0.7647
CMYK	0.00, 0.45, 0.73, 0.14
HSL	23°, 69%, 55%
HSV	23°, 73%, 86%
XYZ	36.8664, 29.0611, 7.9412
YIQ	143.3480, 77.9890, 1.8050

Conversions

Conversions Part 2

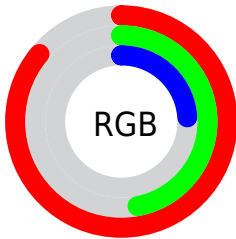
Format	Color
R_{YB}	219, 159, 60
Decimal	14383420
CIE _{Lab}	60.84, 33.46, 48.91
CIE _{LCh}	61, 59.260, 55.629
Yxy	29.0611, 0.4991, 0.3934
Android (android.graphics.Color)	4292573500 (0xFFDB793C)
YUV	143.3480, -41.0906, 66.3468
Hunter-Lab	53.9083, 27.7315, 29.0019

Details

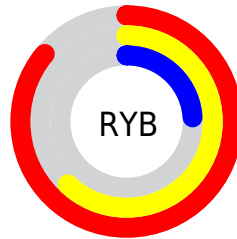
The XYZ color **36.8664, 29.0611, 7.9412** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **26.8755, 30.5268, 71.4931**, and the grayscale version is **26.3859, 27.7600, 30.2306**.

A 20% lighter version of the original color is **59.1905, 52.6579, 21.7962**, and **16.3921, 11.7909, 1.6129** is the 20% darker color. If you saturate the color by 10%, you get **34.8757, 25.8225, 4.9884**, and if you desaturate by 10%, it is **39.3274, 32.8575, 12.2324**.

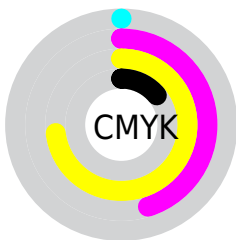
Distribution



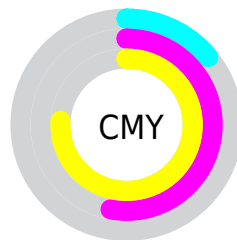
- Red (86%)
- Green (47%)
- Blue (24%)



- Red (86%)
- Yellow (62%)
- Blue (24%)



- Cyan (0%)
- Magenta (45%)
- Yellow (73%)
- Black (14%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8664, 29.0611, 7.9412 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 36.8664, 29.0611, 7.9412 by changing the saturation by 10% instead.


 36.8664, 29.0611,
7.9412


 36.8664, 29.0611,
7.9412


324.0973,
297.5031, 185.1874

 25.2773, 19.1270,
3.9701


 69.6824, 58.1741,
22.3874

 16.4136, 11.7621,
1.6090


 91.6400, 78.1219,
33.6995

 9.9100, 6.5819,
0.2972


 117.7845,
102.1764, 48.2958

 5.4011, 3.2020,
0.0000

 148.4812,
130.7220, 66.5946

 2.5216, 1.2381,
0.0000

 184.0955,
164.1431, 89.0147

 0.9062, 0.0925,
0.0000

 224.9927,

 0.0000, 0.0000,

202.8240, 115.9745

0.0000

271.5382,
247.1492, 147.8926

■ 36.8664, 29.0611,
7.9412

■ 36.8664, 29.0611,
7.9412

■ 34.8757, 25.8225,
4.9884

■ 39.3274, 32.8575,
12.2324

■ 33.3121, 23.1056,
3.2022


■ 42.2919, 37.2356,
18.0020


■ 32.3856, 21.4048,
2.4246


■ 45.7920, 42.2229,
25.3741


■ 49.8561, 47.8438,
34.4588

■ 54.5105, 54.1208,
45.3566

 59.7796, 61.0757,
58.1600

 65.6864, 68.7288,
72.9552

 72.2527, 77.0998,
89.8232

 79.1589, 86.0714,
107.0491

Harmonies

Analogous

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



43.2628, 29.0611, 16.5996



36.8664, 29.0611, 7.9412



28.7671, 29.0611, 5.3793

Triad

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



36.8664, 29.0611, 7.9412



15.3183, 29.0611, 28.5156



34.5444, 29.0611, 87.4464

Complementary

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



36.8664, 29.0611, 7.9412



26.8755, 30.5268, 71.4931

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.



26.5071, 29.0611, 95.6765



36.8664, 29.0611, 7.9412



16.2940, 29.0611, 53.7937

Square

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



36.8664, 29.0611, 7.9412



17.1017, 29.0611, 13.2141



20.0681, 29.0611, 81.2271



41.7567, 29.0611, 62.1793

Rectangle

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



36.8664, 29.0611, 7.9412



23.8165, 29.0611, 5.8356



20.0681, 29.0611, 81.2271



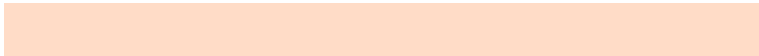
31.8120, 29.0611, 92.6833

Sweetspot

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



36.8671, 29.0626, 7.9417



77.2420, 76.7886, 64.7226



37.0050, 20.7622, 34.4275



16.1281, 15.8948, 12.8902



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.



36.8671, 29.0626, 7.9417



48.0270, 34.3914, 5.5568



50.7874, 56.9033, 12.5818



13.4636, 13.8665, 13.6925



19.3016, 12.8887, 1.4705



1.3323, 0.9986, 0.1225

Inverse Universe

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



26.8755, 30.5268, 71.4931



33.0341, 36.2499, 99.8636



17.4134, 11.6026, 68.3391



13.0035, 13.9467, 16.6588



12.8256, 13.5207, 41.6722



0.9133, 1.0407, 2.7272

Previews

White Background



This preview shows how the XYZ color 36.8664, 29.0611, 7.9412 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 36.8664, 29.0611, 7.9412 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 36.8664, 29.0611, 7.9412

Background



This preview shows how black text looks on a background with the XYZ color 36.8664, 29.0611, 7.9412.



This preview shows how white text looks on a background with the XYZ color 36.8664, 29.0611,

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

36.8664, 29.0611, 7.9412

Protanopia

26.5814, 29.0713, 9.6792

Deuteranopia

29.8348, 29.2223, 7.6824



Tritanopia

39.6544, 28.9694, 21.9140

Trichromacy



Original Color

36.8664, 29.0611, 7.9412

Protanomaly

29.5711, 28.6259, 8.9678

Deuteranomaly

32.1520, 28.9408, 7.7624

Tritanomaly

38.4322, 28.9956, 15.3755

Monochromacy



Original Color

36.8664, 29.0611, 7.9412

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.4392, 27.1781, 19.3698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8664, 29.0611, 7.9412 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, 121, 60)` looks like.

```
.text, #text, p{  
    color:rgb(219, 121, 60)  
}
```

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, 121, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 121, 60) }
```

Border

The CSS property to change the border of an element to XYZ 36.8664, 29.0611, 7.9412 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, 121, 60) }
```


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

```
.border{ border-color:rgb(219, 121, 60) }
```

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

Here you see how a box with a 4 pixel rgb(219, 121, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 121, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 121, 60);  
box-shadow:4px 4px 4px 4px rgb(219, 121,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8664, 29.0611, 7.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 121, 60) }
```

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

```
.background{ background-color: rgb(219,  
121, 60) }
```

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