

Converting Colors

XYZ(36.1090, 28.7172, 3.6398)

Have a look what the booklet for
XYZ(36.1090, 28.7172, 3.6398)
contains.

XYZ(36.0508, 28.7348, 3.6463)	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(36.0508, 28.7348,
3.6463)**

Conversions

Conversions Part 1

Format	Color
Hex	DB7900
RGB	219, 121, 0
RGB Percent	86%, 47%, 0%
CMY	0.1412, 0.5255, 1.0000
CMYK	0.00, 0.45, 1.00, 0.14
HSL	33°, 100%, 43%
HSV	33°, 100%, 86%
XYZ	36.0508, 28.7348, 3.6463
YIQ	136.5080, 97.2490, -16.8550

Conversions

Conversions Part 2

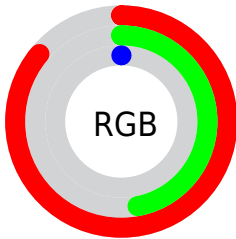
Format	Color
RYB	177, 219, 0
Decimal	14383360
CIELab	60.55, 31.99, 67.51
CIElCh	61, 74.708, 64.646
Yxy	28.7348, 0.5268, 0.4199
Android (android.graphics.Color)	4292573440 (0xFFDB7900)
YUV	136.5080, -67.2984, 72.3455
Hunter-Lab	53.6049, 26.2379, 33.4904

Details

The XYZ color **36.0508, 28.7348, 3.6463** 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 **17.1540, 13.8501, 68.7866**, and the grayscale version is **23.8133, 25.0535, 27.2833**.

A 20% lighter version of the original color is **57.4502, 51.9618, 12.6319**, and **16.1579, 11.6746, 1.4018** is the 20% darker color. If you saturate the color by 10%, you get **36.0509, 28.7354, 3.6464**, and if you desaturate by 10%, it is **37.4474, 31.2982, 4.8219**.

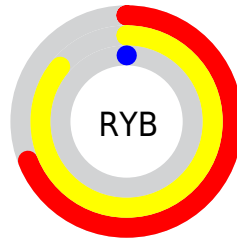
Distribution



Red (86%)

Green (47%)

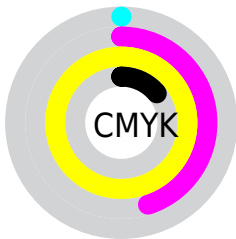
Blue (0%)



Red (69%)

Yellow (86%)

Blue (0%)

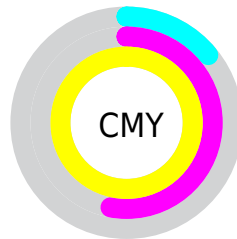


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0508, 28.7348, 3.6463 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 36.0508, 28.7348, 3.6463 by changing the saturation by 10% instead.


 36.0508, 28.7348,
3.6463


 36.0508, 28.7348,
3.6463

320.6099,
295.9616, 144.2089


 24.6437, 18.8803,
1.4334


 68.4338, 57.6555,
13.1854


 15.9391, 11.5838,
0.1676


 90.1405, 77.4904,
21.3487


 9.5717, 6.4610,
0.0000


 116.0110,
101.4210, 32.3326

 5.1760, 3.1273,
0.0000

 146.4109,
129.8315, 46.5555

 2.3867, 1.1986,
0.0000

 181.7053,
163.1065, 64.4361


 0.8385, 0.0605,
0.0000


 222.2597,


 0.0000, 0.0000,


201.6302, 86.3928


0.0000


 268.4395,
245.7871, 112.8442


 36.0508, 28.7348,
3.6463


 36.0508, 28.7348,
3.6463


 36.0509, 28.7354,
3.6464

 37.4474, 31.2982,
4.8219

 39.1311, 34.1741,
6.8979

 41.1592, 37.3923,
10.1574

 43.5649, 40.9709,
14.7598

 46.3766, 44.9264,
20.8393

■ 49.6195, 49.2734,
28.5136

■ 53.3163, 54.0258,
37.8886

■ 57.4880, 59.1963,
49.0609

■ 62.1541, 64.7970,
62.1196

Harmonies

Analogous

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



45.5935, 28.7348, 9.7593



36.0508, 28.7348, 3.6463



25.8362, 28.7348, 2.5895

Triad

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



36.0508, 28.7348, 3.6463



12.6796, 28.7348, 35.7916



39.2745, 28.7348, 98.5128

Complementary

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



36.0508, 28.7348, 3.6463



17.1540, 13.8501, 68.7866

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.



28.8421, 28.7348, 119.7424



36.0508, 28.7348, 3.6463



14.7156, 28.7348, 72.2565

Square

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



36.0508, 28.7348, 3.6463



13.7428, 28.7348, 13.6051



20.1128, 28.7348, 108.0508



47.7412, 28.7348, 59.9989

Rectangle

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



36.0508, 28.7348, 3.6463



20.2826, 28.7348, 3.5805



20.1128, 28.7348, 108.0508



35.8016, 28.7348, 108.6855

Sweetspot

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



36.0514, 28.7363, 3.6468



75.1215, 76.0851, 53.1097



31.4442, 15.9525, 13.1149



15.5885, 15.6609, 10.1043



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.



36.0514, 28.7363, 3.6468



50.7493, 40.2785, 5.0998



51.3578, 64.0798, 9.6620



13.6495, 14.2384, 13.7545



21.4875, 17.2606, 2.1991



1.4776, 1.2893, 0.1710

Inverse Universe

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



17.1540, 13.8501, 68.7866



24.0793, 19.2785, 97.0598



12.9236, 5.1855, 67.3371



12.8160, 13.5717, 16.5963



10.2771, 8.4236, 40.8227



0.7509, 0.7160, 2.6731

Previews

White Background



This preview shows how the XYZ color 36.0508, 28.7348, 3.6463 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 36.0508, 28.7348, 3.6463 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 36.0508, 28.7348, 3.6463

Background



This preview shows how black text looks on a background with the XYZ color 36.0508, 28.7348, 3.6463.



This preview shows how white text looks on a background with the XYZ color 36.0508, 28.7348,

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

36.0508, 28.7348, 3.6463

Protanopia

26.0599, 28.9104, 4.7790

Deuteranopia

29.2402, 28.7795, 4.0139



Tritanopia

39.7267, 28.8543, 21.2449

Trichromacy



Original Color

36.0508, 28.7348, 3.6463

Protanomaly

29.1565, 28.5154, 4.2839

Deuteranomaly

31.2772, 28.3728, 3.8280

Tritanomaly

37.6741, 28.5422, 10.3610

Monochromacy



Original Color

36.0508, 28.7348, 3.6463

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.7729, 25.1362, 12.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0508, 28.7348, 3.6463 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 121, 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(219, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.0508, 28.7348, 3.6463 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, 0) }
```


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

```
.border{ border-color:rgb(219, 121, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0508, 28.7348, 3.6463 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, 0) }
```

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

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