

Converting Colors

XYZ(36.0337, 27.4167, 3.3928)

Have a look what the booklet for
XYZ(36.0337, 27.4167, 3.3928)
contains.

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Color

**XYZ(36.0293, 27.3398,
3.3782)**

Conversions

Conversions Part 1

Format	Color
Hex	DE7100
RGB	222, 113, 0
RGB Percent	87%, 44%, 0%
CMY	0.1294, 0.5568, 1.0000
CMYK	0.00, 0.49, 1.00, 0.13
HSL	31°, 100%, 44%
HSV	31°, 100%, 87%
XYZ	36.0293, 27.3398, 3.3782
YIQ	132.7090, 101.2370, -12.0350

Conversions

Conversions Part 2

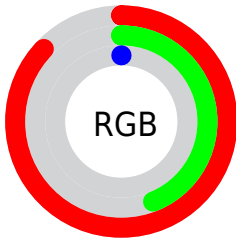
Format	Color
R_{YB}	214, 222, 0
Decimal	14577920
CIE _{Lab}	59.29, 37.35, 66.96
CIE _{LCh}	59, 76.671, 60.850
Yxy	27.3398, 0.5398, 0.4096
Android (android.graphics.Color)	4292768000 (0xFFDE7100)
YUV	132.7090, -65.4255, 78.3082
Hunter-Lab	52.2875, 31.4944, 32.7706

Details

The XYZ color **36.0293, 27.3398, 3.3782** 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 **18.6536, 16.2114, 71.2526**, and the grayscale version is **22.3942, 23.5604, 25.6573**.

A 20% lighter version of the original color is **55.9196, 48.9498, 11.9698**, and **16.2198, 10.9188, 1.2527** is the 20% darker color. If you saturate the color by 10%, you get **36.0294, 27.3403, 3.3783**, and if you desaturate by 10%, it is **37.4667, 29.9801, 4.5817**.

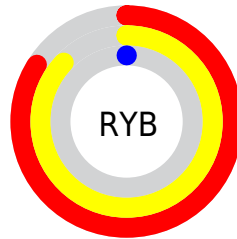
Distribution



Red (87%)

Green (44%)

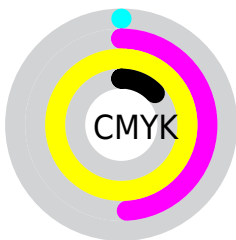
Blue (0%)



Red (84%)

Yellow (87%)

Blue (0%)

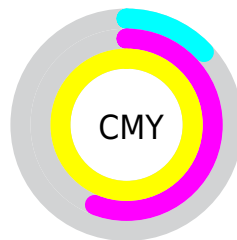


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0293, 27.3398, 3.3782 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 36.0293, 27.3398, 3.3782 by changing the saturation by 10% instead.


 36.0293, 27.3398,
3.3782


 36.0293, 27.3398,
3.3782

320.5176,
289.2986, 141.0407


 24.6270, 17.8286,
1.2908


 68.4009, 55.4287,
12.5482

 15.9267, 10.8270,
0.0543


 90.1009, 74.7751,
20.4680


 9.5628, 5.9506,
0.0000


 115.9642, 98.1687,
31.1689

 5.1701, 2.8151,
0.0000

 146.3561,
125.9939, 45.0696

 2.3832, 1.0360,
0.0000

 181.6421,
158.6351, 62.5886


 0.8367, 0.0000,
0.0000


 222.1874,


 0.0000, 0.0000,


196.4767, 84.1444


0.0000


 268.3575,
239.9031, 110.1556


 36.0293, 27.3398,
3.3782


 36.0293, 27.3398,
3.3782


 36.0294, 27.3403,
3.3783

 37.4667, 29.9801,
4.5817

 39.2233, 32.9883,
6.7235

 41.3590, 36.3973,
10.0944

 43.9094, 40.2282,
14.8596

 46.9051, 44.5003,
21.1586

■ 50.3731, 49.2308,
29.1134

■ 54.3379, 54.4361,
38.8337

■ 58.8221, 60.1313,
50.4198

■ 63.8469, 66.3308,
63.9641

Harmonies

Analogous

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



45.2223, 27.3398, 10.0847



36.0293, 27.3398, 3.3782



25.7133, 27.3398, 2.0427

Triad

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



36.0293, 27.3398, 3.3782



11.5773, 27.3398, 30.5579



36.6211, 27.3398, 101.8997

Complementary

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



36.0293, 27.3398, 3.3782



18.6536, 16.2114, 71.2526

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.



26.2599, 27.3398, 119.7941



36.0293, 27.3398, 3.3782



13.1637, 27.3398, 65.8380

Square

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



36.0293, 27.3398, 3.3782



12.9908, 27.3398, 10.7579



18.0070, 27.3398, 103.6877



45.6189, 27.3398, 63.5636

Rectangle

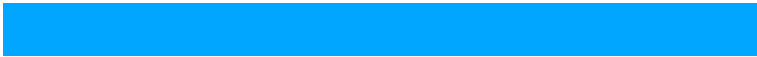
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.0293, 27.3398, 3.3782



19.9659, 27.3398, 2.6770



18.0070, 27.3398, 103.6877



33.1080, 27.3398, 111.2795

Sweetspot

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



36.0299, 27.3413, 3.3787



74.2527, 74.3474, 52.8201



32.9935, 16.6774, 16.5202



15.3828, 15.2495, 10.0358



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.



36.0299, 27.3413, 3.3787



49.1962, 37.1723, 4.5821



56.2450, 67.7716, 10.1171



14.2811, 14.8482, 14.4201



21.5126, 16.4630, 2.0438



1.5807, 1.3203, 0.1715

Inverse Universe

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



18.6536, 16.2114, 71.2526



25.4089, 21.9377, 97.5030



13.1849, 5.2741, 69.4297



13.5049, 14.3490, 17.4455



11.1903, 9.8502, 42.3599



0.8651, 0.8617, 2.9660

Previews

White Background



This preview shows how the XYZ color 36.0293, 27.3398, 3.3782 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 36.0293, 27.3398, 3.3782 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 36.0293, 27.3398, 3.3782

Background



This preview shows how black text looks on a background with the XYZ color 36.0293, 27.3398, 3.3782.



This preview shows how white text looks on a background with the XYZ color 36.0293, 27.3398,

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

36.0293, 27.3398, 3.3782

Protanopia

24.9911, 27.6749, 4.6407

Deuteranopia

27.8602, 27.4321, 3.8265



Tritanopia

39.0275, 27.2806, 18.5379

Trichromacy



Original Color

36.0293, 27.3398, 3.3782

Protanomaly

28.2211, 26.9919, 4.0704

Deuteranomaly

30.4841, 27.1741, 3.6384

Tritanomaly

37.2404, 27.0273, 9.2153

Monochromacy



Original Color

36.0293, 27.3398, 3.3782

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.6176, 23.5769, 11.8476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0293, 27.3398, 3.3782 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(222, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 113, 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(222, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.0293, 27.3398, 3.3782 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(222, 113, 0) }
```


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

```
.border{ border-color:rgb(222, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0293, 27.3398, 3.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 113, 0) }
```

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

```
.background{ background-color: rgb(222,  
113, 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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