

Converting Colors

XYZ(35.1633, 25.6759, 3.1026)

Have a look what the booklet for
XYZ(35.1633, 25.6759, 3.1026)
contains.

XYZ(35.1758, 25.6327, 3.0936)	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(35.1758, 25.6327,
3.0936)**

Conversions

Conversions Part 1

Format	Color
Hex	DE6900
RGB	222, 105, 0
RGB Percent	87%, 41%, 0%
CMY	0.1294, 0.5882, 1.0000
CMYK	0.00, 0.53, 1.00, 0.13
HSL	28°, 100%, 44%
HSV	28°, 100%, 87%
XYZ	35.1758, 25.6327, 3.0936
YIQ	128.0130, 103.4370, -7.8510

Conversions

Conversions Part 2

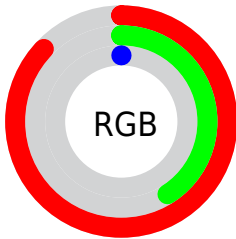
Format	Color
RYB	222, 199, 0
Decimal	14575872
CIELab	57.69, 41.37, 66.02
CIElCh	58, 77.907, 57.929
Yxy	25.6327, 0.5505, 0.4011
Android (android.graphics.Color)	4292765952 (0xFFDE6900)
YUV	128.0130, -63.1104, 82.4266
Hunter-Lab	50.6287, 35.4178, 31.8173

Details

The XYZ color **35.1758, 25.6327, 3.0936** 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 **19.5458, 17.9959, 71.5502**, and the grayscale version is **20.7104, 21.7889, 23.7281**.

A 20% lighter version of the original color is **54.4502, 46.1071, 11.1840**, and **15.6172, 10.0093, 1.1089** is the 20% darker color. If you saturate the color by 10%, you get **35.1761, 25.6336, 3.0938**, and if you desaturate by 10%, it is **36.5980, 28.2426, 4.2919**.

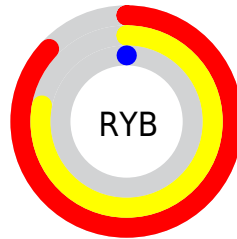
Distribution



Red (87%)

Green (41%)

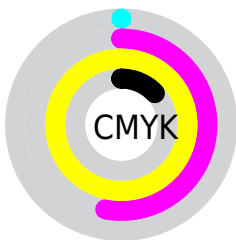
Blue (0%)



Red (87%)

Yellow (78%)

Blue (0%)

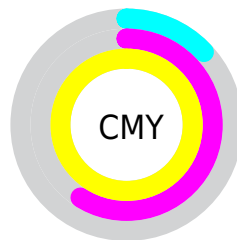


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1758, 25.6327, 3.0936 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 35.1758, 25.6327, 3.0936 by changing the saturation by 10% instead.


 35.1758, 25.6327,
3.0936


 35.1758, 25.6327,
3.0936


316.8381,
280.9743, 137.5440


 23.9655, 16.5491,
1.1426


 67.0902, 52.6818,
11.8585


 15.4326, 9.9135,
0.0000


 88.5251, 71.4161,
19.5096

 9.2118, 5.3417,
0.0000


 114.0988, 94.1360,
29.8977

 4.9378, 2.4491,
0.0000

 144.1768,
121.2260, 43.4415

 2.2452, 0.8510,
0.0000

 179.1243,
153.0704, 60.5595

 0.7664, 0.0000,
0.0000


 219.3068,


 0.0000, 0.0000,


190.0537, 81.6702


0.0000


 265.0896,
232.5602, 107.1922


 35.1758, 25.6327,
3.0936


 35.1758, 25.6327,
3.0936


 35.1761, 25.6336,
3.0938

 36.5980, 28.2426,
4.2919

 38.3586, 31.2589,
6.4348

 40.5189, 34.7171,
9.8138

 43.1156, 38.6408,
14.5943

 46.1805, 43.0513,
20.9161

■ 49.7416, 47.9681,
28.9017

■ 53.8244, 53.4095,
38.6611

■ 58.4525, 59.3925,
50.2948

■ 63.6479, 65.9333,
63.8957

Harmonies

Analogous

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



43.8836, 25.6327, 10.1070



35.1758, 25.6327, 3.0936



25.0167, 25.6327, 1.6199

Triad

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



35.1758, 25.6327, 3.0936



10.4798, 25.6327, 26.0952



33.7618, 25.6327, 102.2902

Complementary

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



35.1758, 25.6327, 3.0936



19.5458, 17.9959, 71.5502

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.



23.7210, 25.6327, 117.0874



35.1758, 25.6327, 3.0936



11.7081, 25.6327, 59.5267

Square

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



35.1758, 25.6327, 3.0936



12.1101, 25.6327, 8.5607



16.0299, 25.6327, 97.9431



42.9316, 25.6327, 65.0115

Rectangle

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



35.1758, 25.6327, 3.0936



19.2504, 25.6327, 2.0174



16.0299, 25.6327, 97.9431



30.3093, 25.6327, 110.8047

Sweetspot

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



35.1764, 25.6341, 3.0940



73.5463, 72.9346, 52.5847



33.4180, 16.8472, 18.7556



15.2161, 14.9160, 9.9802



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.



35.1764, 25.6341, 3.0940



48.0305, 34.8410, 4.1935



54.3227, 63.9267, 9.4761



14.2392, 14.7644, 14.4061



21.0036, 15.4450, 1.8742



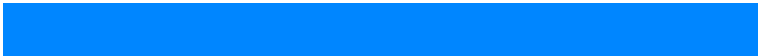
1.5450, 1.2489, 0.1596

Inverse Universe

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



19.5458, 17.9959, 71.5502



26.6286, 24.3772, 97.9095



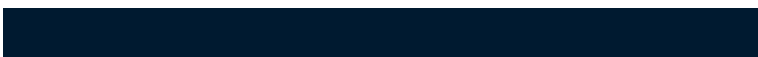
13.2652, 5.4347, 69.4567



13.5469, 14.4330, 17.4595



11.7219, 10.9134, 42.5370



0.9020, 0.9354, 2.9783

Previews

White Background



This preview shows how the XYZ color 35.1758, 25.6327, 3.0936 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 35.1758, 25.6327, 3.0936 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 35.1758, 25.6327, 3.0936

Background



This preview shows how black text looks on a background with the XYZ color 35.1758, 25.6327, 3.0936.



This preview shows how white text looks on a background with the XYZ color 35.1758, 25.6327,

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

35.1758, 25.6327, 3.0936

Protanopia

23.4090, 25.9748, 4.4417

Deuteranopia

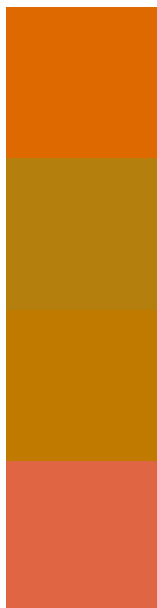
26.1558, 25.7326, 3.5883



Tritanopia

37.9177, 25.7424, 16.0670

Trichromacy



Original Color

35.1758, 25.6327, 3.0936

Protanomaly

26.7181, 25.0316, 3.8041

Deuteranomaly

28.9519, 25.2565, 3.3491

Tritanomaly

36.3775, 25.5480, 8.1682

Monochromacy



Original Color

35.1758, 25.6327, 3.0936

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.1020, 21.7084, 10.7571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1758, 25.6327, 3.0936 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, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 105, 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, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.1758, 25.6327, 3.0936 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, 105, 0) }
```


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

```
.border{ border-color:rgb(222, 105, 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, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1758, 25.6327, 3.0936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 105, 0) }
```

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

```
.background{ background-color: rgb(222,  
105, 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](#).

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