

Converting Colors

XYZ(37.5156, 30.0985, 3.8450)

Have a look what the booklet for
XYZ(37.5156, 30.0985, 3.8450)
contains.

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Color

**XYZ(37.3319, 29.9449,
3.8123)**

Conversions

Conversions Part 1

Format	Color
Hex	DE7C00
RGB	222, 124, 0
RGB Percent	87%, 49%, 0%
CMY	0.1294, 0.5137, 1.0000
CMYK	0.00, 0.44, 1.00, 0.13
HSL	34°, 100%, 44%
HSV	34°, 100%, 87%
XYZ	37.3319, 29.9449, 3.8123
YIQ	139.1660, 98.2120, -17.7880

Conversions

Conversions Part 2

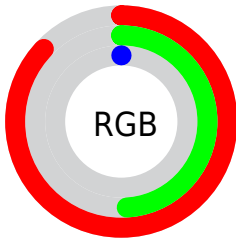
Format	Color
RYB	175, 222, 0
Decimal	14580736
CIELab	61.61, 31.66, 68.38
CIELCh	62, 75.349, 65.155
Yxy	29.9449, 0.5251, 0.4212
Android (android.graphics.Color)	4292770816 (0xFFDE7C00)
YUV	139.1660, -68.6088, 72.6454
Hunter-Lab	54.7219, 26.0113, 34.1748

Details

The XYZ color **37.3319, 29.9449, 3.8123** 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 **17.5525, 14.0094, 70.8858**, and the grayscale version is **24.8356, 26.1290, 28.4545**.

A 20% lighter version of the original color is **58.0676, 53.1465, 12.9922**, and **16.9460, 12.3711, 1.4947** is the 20% darker color. If you saturate the color by 10%, you get **37.3321, 29.9457, 3.8125**, and if you desaturate by 10%, it is **38.7692, 32.5849, 5.0158**.

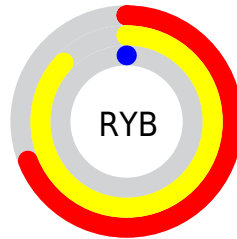
Distribution



Red (87%)

Green (49%)

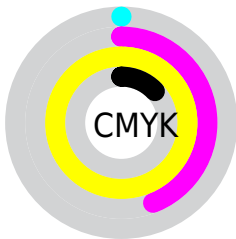
Blue (0%)



Red (69%)

Yellow (87%)

Blue (0%)

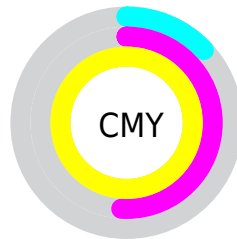


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3319, 29.9449, 3.8123 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 37.3319, 29.9449, 3.8123 by changing the saturation by 10% instead.


 37.3319, 29.9449,
3.8123


 37.3319, 29.9449,
3.8123


326.0759,
301.6475, 146.1157


 25.6394, 19.7968,
1.5229


 70.3935, 59.5750,
13.5745

 16.6853, 12.2474,
0.2349


 92.4933, 79.8258,
21.8844

 10.1043, 6.9124,
0.0000


 118.7929,
104.2129, 33.0383

 5.5310, 3.4074,
0.0000

 149.6577,
133.1208, 47.4547

 2.6000, 1.3479,
0.0000

 185.4531,
166.9338, 65.5520


 0.9459, 0.1779,
0.0000


 226.5443,


 0.0000, 0.0000,


206.0363, 87.7490


0.0000


 273.2968,
250.8128, 114.4640


 37.3319, 29.9449,
3.8123


 37.3319, 29.9449,
3.8123


 37.3321, 29.9457,
3.8125

 38.7692, 32.5849,
5.0158

 40.5000, 35.5418,
7.1489

 42.5831, 38.8455,
10.5022

 45.0528, 42.5148,
15.2405

 47.9381, 46.5663,
21.5026

■ 51.2651, 51.0150,
29.4103

■ 55.0572, 55.8748,
39.0730

■ 59.3358, 61.1588,
50.5904

■ 64.1211, 66.8792,
64.0548

Harmonies

Analogous

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



47.2606, 29.9449, 10.0614



37.3319, 29.9449, 3.8123



26.7685, 29.9449, 2.7613

Triad

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



37.3319, 29.9449, 3.8123



13.2823, 29.9449, 37.8083



41.0343, 29.9449, 101.5574

Complementary

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



37.3319, 29.9449, 3.8123



17.5525, 14.0094, 70.8858

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.



30.2249, 29.9449, 123.9846



37.3319, 29.9449, 3.8123



15.4549, 29.9449, 75.7154

Square

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



37.3319, 29.9449, 3.8123



14.3331, 29.9449, 14.5051



21.1212, 29.9449, 112.4821



49.7253, 29.9449, 61.6569

Rectangle

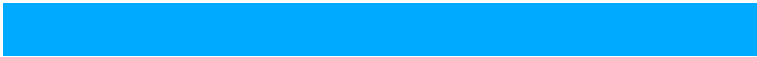
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.3319, 29.9449, 3.8123



21.0442, 29.9449, 3.8424



21.1212, 29.9449, 112.4821



37.4448, 29.9449, 112.1955

Sweetspot

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



37.3326, 29.9465, 3.8128



75.2437, 76.3295, 53.1505



32.4197, 16.4479, 13.4983



15.6175, 15.7189, 10.1140



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.



37.3326, 29.9465, 3.8128



50.9781, 40.7362, 5.1760



52.9564, 66.0764, 9.9631



14.3391, 14.9641, 14.4394



22.2872, 18.0124, 2.3021



1.6336, 1.4261, 0.1892

Inverse Universe

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



17.5525, 14.0094, 70.8858



23.9065, 18.9330, 97.0022



13.3243, 5.3459, 69.4364



13.4475, 14.2341, 17.4264



10.5324, 8.5344, 42.1406



0.8182, 0.7678, 2.9503

Previews

White Background



This preview shows how the XYZ color 37.3319, 29.9449, 3.8123 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 37.3319, 29.9449, 3.8123 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 37.3319, 29.9449, 3.8123

Background



This preview shows how black text looks on a background with the XYZ color 37.3319, 29.9449, 3.8123.



This preview shows how white text looks on a background with the XYZ color 37.3319, 29.9449,

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

37.3319, 29.9449, 3.8123

Protanopia

27.1640, 30.1812, 4.9661

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

41.0699, 29.8603, 22.3379

Trichromacy



Original Color

37.3319, 29.9449, 3.8123

Protanomaly

30.3243, 29.7653, 4.4636

Deuteranomaly

32.7514, 29.7455, 4.0153

Tritanomaly

38.9049, 29.5145, 10.8541

Monochromacy



Original Color

37.3319, 29.9449, 3.8123

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.6487, 26.1898, 12.8831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3319, 29.9449, 3.8123 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, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 124, 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, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.3319, 29.9449, 3.8123 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, 124, 0) }
```


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

```
.border{ border-color:rgb(222, 124, 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, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 124,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3319, 29.9449, 3.8123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 124, 0) }
```

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

```
.background{ background-color: rgb(222,  
124, 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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