

Converting Colors

XYZ(37.5787, 26.9566, 3.2225)

Have a look what the booklet for
XYZ(37.5787, 26.9566, 3.2225)
contains.

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Color

**XYZ(37.4671, 26.9661,
3.2302)**

Conversions

Conversions Part 1

Format	Color
Hex	E56A00
RGB	229, 106, 0
RGB Percent	90%, 42%, 0%
CMY	0.1020, 0.5843, 1.0000
CMYK	0.00, 0.54, 1.00, 0.10
HSL	28°, 100%, 45%
HSV	28°, 100%, 90%
XYZ	37.4671, 26.9661, 3.2302
YIQ	130.6930, 107.3340, -6.8900

Conversions

Conversions Part 2

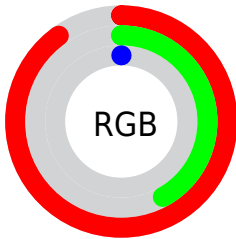
Format	Color
R _Y B	229, 197, 0
Decimal	15034880
CIE Lab	58.94, 43.58, 67.30
CIE LCh	59, 80.178, 57.073
Yxy	26.9661, 0.5537, 0.3985
Android (android.graphics.Color)	4293224960 (0xFFE56A00)
YUV	130.6930, -64.4316, 86.2152
Hunter-Lab	51.9289, 37.9136, 32.6621

Details

The XYZ color **37.4671, 26.9661, 3.2302** 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 **21.2252, 19.8220, 76.8354**, and the grayscale version is **21.6607, 22.7887, 24.8169**.

A 20% lighter version of the original color is **54.8239, 46.8069, 11.4553**, and **17.0451, 10.7453, 1.1757** is the 20% darker color. If you saturate the color by 10%, you get **37.4674, 26.9670, 3.2304**, and if you desaturate by 10%, it is **38.9812, 29.7487, 4.4932**.

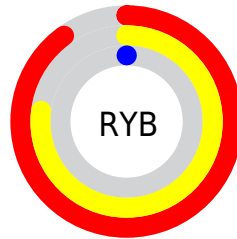
Distribution



Red (90%)

Green (42%)

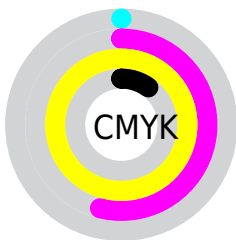
Blue (0%)



Red (90%)

Yellow (77%)

Blue (0%)

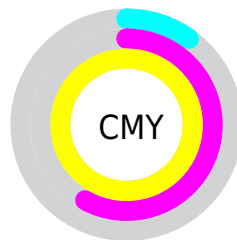


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4671, 26.9661, 3.2302 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 37.4671, 26.9661, 3.2302 by changing the saturation by 10% instead.


 37.4671, 26.9661,
3.2302


 37.4671, 26.9661,
3.2302

326.6489,
287.4929, 139.2406


 25.7447, 17.5478,
1.2133


 70.5998, 54.8295,
12.1914

 16.7644, 10.6258,
0.0000


 92.7408, 74.0433,
19.9728

 10.1609, 5.8158,
0.0000


 119.0853, 97.2910,
30.5128

 5.5689, 2.7334,
0.0000

 149.9988,
124.9572, 44.2299

 2.6229, 0.9942,
0.0000

 185.8465,
157.4260, 61.5427


 0.9576, 0.0000,
0.0000


 226.9939,


 0.0000, 0.0000,


195.0820, 82.8697


0.0000


 273.8062,
238.3095, 108.6295


 37.4671, 26.9661,
3.2302


 37.4671, 26.9661,
3.2302


 37.4674, 26.9670,
3.2304

 38.9812, 29.7487,
4.4932

 40.8657, 32.9808,
6.7767

 43.1862, 36.7006,
10.3901

 45.9829, 40.9348,
15.5125

 49.2903, 45.7071,
22.2951

■ 53.1390, 51.0392,
30.8701

■ 57.5570, 56.9514,
41.3566

■ 62.5701, 63.4628,
53.8631

■ 68.2022, 70.5916,
68.4898

Harmonies

Analogous

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



46.6567, 26.9661, 10.8494



37.4671, 26.9661, 3.2302



26.6175, 26.9661, 1.6149

Triad

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



37.4671, 26.9661, 3.2302



10.9047, 26.9661, 26.6578



35.3346, 26.9661, 109.8736

Complementary

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



37.4671, 26.9661, 3.2302



21.2252, 19.8220, 76.8354

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.



24.6682, 26.9661, 124.7631



37.4671, 26.9661, 3.2302



12.1158, 26.9661, 61.9240

Square

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



37.4671, 26.9661, 3.2302



12.7169, 26.9661, 8.5455



16.5931, 26.9661, 103.2823



45.2187, 26.9661, 70.2199

Rectangle

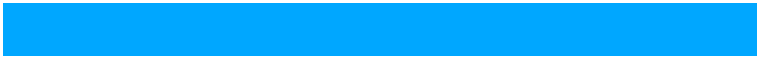
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4671, 26.9661, 3.2302



20.4258, 26.9661, 1.9770



16.5931, 26.9661, 103.2823



31.6518, 26.9661, 118.7312

Sweetspot

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



37.4677, 26.9676, 3.2307



73.3506, 72.5433, 52.5194



36.0756, 18.1631, 21.3268



15.1700, 14.8238, 9.9648



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.



37.4677, 26.9676, 3.2307



47.7233, 34.2266, 4.0911



57.2675, 66.5672, 9.8306



14.9241, 15.4621, 15.1023



21.5400, 15.6541, 1.8863



1.6839, 1.3410, 0.1701

Inverse Universe

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



21.2252, 19.8220, 76.8354



26.9898, 25.0995, 98.0299



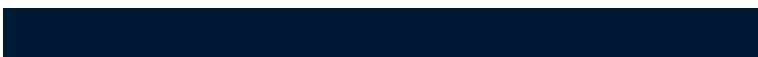
14.2677, 5.9070, 74.5162



14.2208, 15.1629, 18.3216



12.2573, 11.5767, 43.9717



0.9985, 1.0410, 3.2803

Previews

White Background



This preview shows how the XYZ color 37.4671, 26.9661, 3.2302 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 37.4671, 26.9661, 3.2302 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 37.4671, 26.9661, 3.2302

Background



This preview shows how black text looks on a background with the XYZ color 37.4671, 26.9661, 3.2302.



This preview shows how white text looks on a background with the XYZ color 37.4671, 26.9661,

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

37.4671, 26.9661, 3.2302

Protanopia

24.4550, 27.1726, 4.6654

Deuteranopia

27.4864, 27.0312, 3.7689



Tritanopia

40.2904, 27.0994, 16.4718

Trichromacy



Original Color

37.4671, 26.9661, 3.2302

Protanomaly

28.0629, 26.3086, 3.9798

Deuteranomaly

30.4964, 26.4211, 3.4924

Tritanomaly

38.7195, 26.8969, 8.4611

Monochromacy



Original Color

37.4671, 26.9661, 3.2302

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.4572, 22.7591, 11.2875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4671, 26.9661, 3.2302 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(229, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 106, 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(229, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 106, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.4671, 26.9661, 3.2302 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(229, 106, 0) }
```


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

```
.border{ border-color:rgb(229, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 106,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4671, 26.9661, 3.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 106, 0) }
```

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

```
.background{ background-color: rgb(229,  
106, 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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