

Converting Colors

XYZ(37.5732, 27.9109, 5.4946)

Have a look what the booklet for
XYZ(37.5732, 27.9109, 5.4946)
contains.

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Color

**XYZ(37.5584, 27.9172,
5.5068)**

Conversions

Conversions Part 1

Format	Color
Hex	E27029
RGB	226, 112, 41
RGB Percent	89%, 44%, 16%
CMY	0.1137, 0.5608, 0.8392
CMYK	0.00, 0.50, 0.82, 0.11
HSL	23°, 76%, 52%
HSV	23°, 82%, 89%
XYZ	37.5584, 27.9172, 5.5068
YIQ	137.9920, 90.7350, 2.0870

Conversions

Conversions Part 2

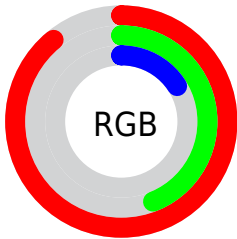
Format	Color
R _Y B	226, 156, 41
Decimal	14839849
CIE Lab	59.81, 40.13, 56.75
CIE LCh	60, 69.504, 54.738
Yxy	27.9172, 0.5291, 0.3933
Android (android.graphics.Color)	4293029929 (0xFFE27029)
YUV	137.9920, -47.8171, 77.1830
Hunter-Lab	52.8367, 34.4205, 30.8063

Details

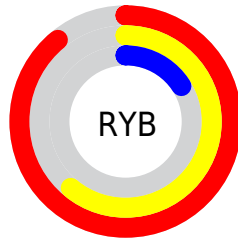
The XYZ color **37.5584, 27.9172, 5.5068** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **26.3621, 29.4029, 76.2367**, and the grayscale version is **24.3078, 25.5737, 27.8498**.

A 20% lighter version of the original color is **56.8080, 49.3051, 16.6480**, and **16.9786, 11.2300, 1.2727** is the 20% darker color. If you saturate the color by 10%, you get **35.8516, 24.9643, 3.5187**, and if you desaturate by 10%, it is **39.7302, 31.4389, 8.7656**.

Distribution



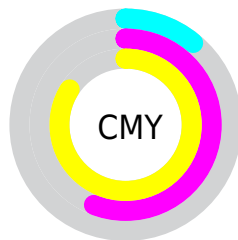
- Red (89%)
- Green (44%)
- Blue (16%)



- Red (89%)
- Yellow (61%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (82%)
- Black (11%)





- Cyan (11%)
- Magenta (56%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5584, 27.9172, 5.5068 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 37.5584, 27.9172, 5.5068 by changing the saturation by 10% instead.


 37.5584, 27.9172,
5.5068


 37.5584, 27.9172,
5.5068


327.0355,
292.0711, 163.7352


 25.8158, 18.2633,
2.4837


 70.7390, 56.3522,
17.3579

 16.8178, 11.1392,
0.8315


 92.9078, 75.9021,
27.0230


 10.1992, 6.1605,
0.0000


 119.2826, 99.5194,
39.7392

 5.5945, 2.9429,
0.0000

 150.2289,
127.5885, 55.9250

 2.6384, 1.1020,
0.0000

 186.1120,
160.4938, 75.9990

 0.9656, 0.0000,
0.0000

 227.2972,

 0.0000, 0.0000,

198.6198, 100.3796

0.0000

274.1499,
242.3507, 129.4855

■ 37.5584, 27.9172,
5.5068

■ 37.5584, 27.9172,
5.5068

■ 35.8516, 24.9643,
3.5187

■ 39.7302, 31.4389,
8.7656

■ 34.7512, 22.9434,
2.5969


■ 42.4091, 35.5587,
13.4751


■ 45.6334, 40.3086,
19.7873


■ 49.4369, 45.7165,
27.8343

■ 53.8500, 51.8086,
37.7344

 58.9010, 58.6093,
49.5953

 64.6160, 66.1417,
63.5165

 71.0199, 74.4279,
79.5905

 78.1360, 83.4890,
97.9044

Harmonies

Analogous

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



45.0735, 27.9172, 14.2862



37.5584, 27.9172, 5.5068



28.1178, 27.9172, 3.1663

Triad

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



37.5584, 27.9172, 5.5068



12.9936, 27.9172, 26.1633



34.2688, 27.9172, 99.1281

Complementary

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



37.5584, 27.9172, 5.5068



26.3621, 29.4029, 76.2367

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.



25.0117, 27.9172, 108.7601



37.5584, 27.9172, 5.5068



13.9364, 27.9172, 55.5379

Square

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



37.5584, 27.9172, 5.5068



14.9719, 27.9172, 10.1175



17.9110, 27.9172, 89.6665



42.8987, 27.9172, 67.8635

Rectangle

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



37.5584, 27.9172, 5.5068



22.4562, 27.9172, 3.4843



17.9110, 27.9172, 89.6665



31.0789, 27.9172, 105.5387

Sweetspot

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



37.5590, 27.9187, 5.5073



75.1553, 74.0002, 59.7569



38.0802, 20.1240, 32.9244



15.5841, 15.1628, 11.6117



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.



37.5590, 27.9187, 5.5073



45.9232, 30.5818, 3.6289



53.4559, 59.7125, 10.8062



14.1364, 14.5587, 14.3718



19.9322, 13.3023, 1.5171



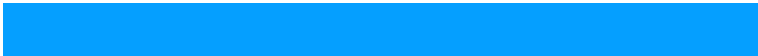
1.4664, 1.0916, 0.1334

Inverse Universe

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



26.3621, 29.4029, 76.2367



30.5263, 32.0779, 99.1905



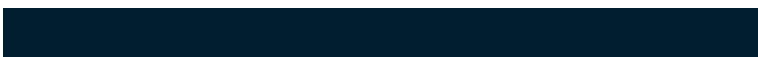
16.3965, 9.4716, 72.9148



13.6517, 14.6425, 17.4945



13.2382, 13.9459, 43.0425



1.0034, 1.1383, 3.0121

Previews

White Background



This preview shows how the XYZ color 37.5584, 27.9172, 5.5068 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 37.5584, 27.9172, 5.5068 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 37.5584, 27.9172, 5.5068

Background



This preview shows how black text looks on a background with the XYZ color 37.5584, 27.9172, 5.5068.



This preview shows how white text looks on a background with the XYZ color 37.5584, 27.9172,

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

37.5584, 27.9172, 5.5068

Protanopia

25.6014, 28.1625, 7.1042

Deuteranopia

28.4844, 27.9353, 5.1871



Tritanopia

40.2893, 27.9310, 18.5970

Trichromacy



Original Color

37.5584, 27.9172, 5.5068

Protanomaly

28.9082, 27.2946, 6.4341

Deuteranomaly

31.3112, 27.5655, 5.2605

Tritanomaly

39.0372, 27.8910, 12.1301

Monochromacy



Original Color

37.5584, 27.9172, 5.5068

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.8760, 25.2258, 16.2845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5584, 27.9172, 5.5068 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(226, 112, 41)` looks like.

```
.text, #text, p{  
    color:rgb(226, 112, 41)  
}
```

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(226, 112, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 112, 41) }
```

Border

The CSS property to change the border of an element to XYZ 37.5584, 27.9172, 5.5068 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(226, 112, 41) }
```


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

```
.border{ border-color:rgb(226, 112, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 112, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 112, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 112, 41);  
box-shadow:4px 4px 4px 4px rgb(226, 112,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5584, 27.9172, 5.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 112, 41) }
```

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

```
.background{ background-color: rgb(226,  
112, 41) }
```

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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