

Converting Colors

XYZ(37.9775, 28.7002, 4.3310)

Have a look what the booklet for
XYZ(37.9775, 28.7002, 4.3310)
contains.

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Color

**XYZ(37.9639, 28.6542,
4.3405)**

Conversions

Conversions Part 1

Format	Color
Hex	E37317
RGB	227, 115, 23
RGB Percent	89%, 45%, 9%
CMY	0.1098, 0.5490, 0.9098
CMYK	0.00, 0.49, 0.90, 0.11
HSL	27°, 82%, 49%
HSV	27°, 90%, 89%
XYZ	37.9639, 28.6542, 4.3405
YIQ	138.0000, 96.2840, -4.8680

Conversions

Conversions Part 2

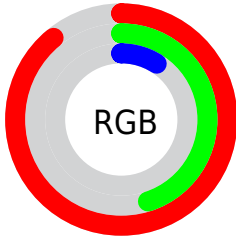
Format	Color
RYB	227, 191, 23
Decimal	14906135
CIELab	60.48, 38.59, 63.53
CIELCh	60, 74.335, 58.724
Yxy	28.6542, 0.5350, 0.4038
Android (android.graphics.Color)	4293096215 (0xFFE37317)
YUV	138.0000, -56.6950, 78.0530
Hunter-Lab	53.5296, 32.9177, 32.6631

Details

The XYZ color **37.9639, 28.6542, 4.3405** 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 **22.8818, 23.0550, 75.9164**, and the grayscale version is **24.3423, 25.6100, 27.8893**.

A 20% lighter version of the original color is **56.6539, 49.8298, 14.0293**, and **17.1432, 11.5593, 1.3276** is the 20% darker color. If you saturate the color by 10%, you get **36.4851, 25.9417, 3.0930**, and if you desaturate by 10%, it is **39.8157, 31.8260, 6.5988**.

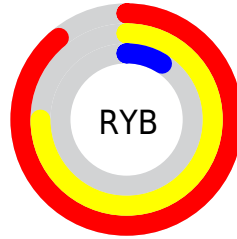
Distribution



Red (89%)

Green (45%)

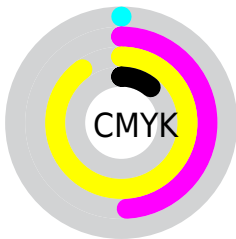
Blue (9%)



Red (89%)

Yellow (75%)

Blue (9%)

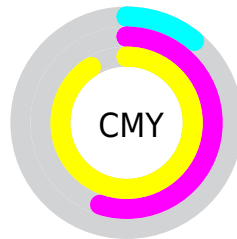


Cyan (0%)

Magenta (49%)

Yellow (90%)

Black (11%)



Cyan (11%)


Magenta (55%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9639, 28.6542, 4.3405 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 37.9639, 28.6542, 4.3405 by changing the saturation by 10% instead.


 37.9639, 28.6542,
4.3405


 37.9639, 28.6542,
4.3405


328.7486,
295.5799, 151.9380


 26.1318, 18.8194,
1.8139


 71.3571, 57.5272,
14.7877


 17.0554, 11.5398,
0.4371


 93.6488, 77.3342,
23.5455

 10.3696, 6.4312,
0.0000

 120.1578,
101.2341, 35.2174

 5.7088, 3.1090,
0.0000

 151.2493,
129.6112, 50.2220

 2.7078, 1.1889,
0.0000

 187.2888,
162.8499, 68.9778

 1.0012, 0.0526,
0.0000

 228.6416,

 0.0000, 0.0000,

201.3347, 91.9034

0.0000

275.6731,
245.4498, 119.4173

37.9639, 28.6542,
4.3405

37.9639, 28.6542,
4.3405

36.4851, 25.9417,
3.0930

39.8157, 31.8260,
6.5988

36.4669, 25.9080,
3.0787

42.1021, 35.4892,
10.1648

44.8633, 39.6723,
15.2140

48.1335, 44.3994,
21.8941

51.9431, 49.6926,
30.3346

■ 56.3198, 55.5726,
40.6518

■ 61.2891, 62.0588,
52.9519

■ 66.8750, 69.1696,
67.3333

■ 73.0998, 76.9226,
83.8875

Harmonies

Analogous

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



46.7985, 28.6542, 12.0901



37.9639, 28.6542, 4.3405



27.6472, 28.6542, 2.5925

Triad

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



37.9639, 28.6542, 4.3405



12.6553, 28.6542, 30.0396



37.0843, 28.6542, 104.1214

Complementary

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



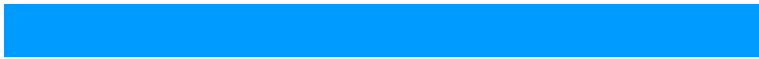
37.9639, 28.6542, 4.3405



22.8818, 23.0550, 75.9164

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.



26.8269, 28.6542, 119.2744



37.9639, 28.6542, 4.3405



14.0620, 28.6542, 64.0514

Square

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



37.9639, 28.6542, 4.3405



14.3276, 28.6542, 11.0406



18.7457, 28.6542, 101.5202



46.2125, 28.6542, 67.3942

Rectangle

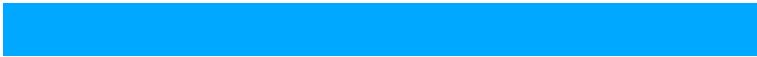
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.9639, 28.6542, 4.3405



21.7381, 28.6542, 3.1587



18.7457, 28.6542, 101.5202



33.5882, 28.6542, 112.6064

Sweetspot

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



37.9645, 28.6558, 4.3410



74.9838, 74.5414, 56.9739



36.3721, 18.6986, 24.6882



15.5970, 15.3575, 11.0949



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.



37.9645, 28.6558, 4.3410



47.3715, 33.5230, 3.9738



56.5941, 65.9149, 10.5509



14.9096, 15.4331, 15.0975



21.3808, 15.3358, 1.8332



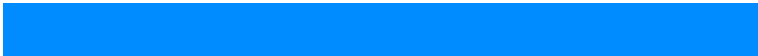
1.6717, 1.3167, 0.1660

Inverse Universe

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



22.8818, 23.0550, 75.9164



27.4271, 25.9742, 98.1757



14.7680, 6.8273, 73.2118



14.2354, 15.1922, 18.3264



12.4534, 11.9689, 44.0370



1.0128, 1.0695, 3.2850

Previews

White Background



This preview shows how the XYZ color 37.9639, 28.6542, 4.3405 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 37.9639, 28.6542, 4.3405 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 37.9639, 28.6542, 4.3405

Background



This preview shows how black text looks on a background with the XYZ color 37.9639, 28.6542, 4.3405.



This preview shows how white text looks on a background with the XYZ color 37.9639, 28.6542,

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

37.9639, 28.6542, 4.3405

Protanopia

26.2115, 28.9711, 5.5770

Deuteranopia

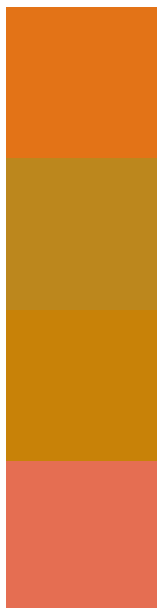
29.2402, 28.7795, 4.0139



Tritanopia

40.9853, 28.5762, 19.5752

Trichromacy



Original Color

37.9639, 28.6542, 4.3405

Protanomaly

29.6248, 28.1080, 5.0264

Deuteranomaly

31.8459, 28.2622, 4.0064

Tritanomaly

39.4120, 28.4191, 11.3908

Monochromacy



Original Color

37.9639, 28.6542, 4.3405

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.6715, 25.3558, 14.5548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9639, 28.6542, 4.3405 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(227, 115, 23)` looks like.

```
.text, #text, p{  
    color:rgb(227, 115, 23)  
}
```

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(227, 115, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 115, 23) }
```

Border

The CSS property to change the border of an element to XYZ 37.9639, 28.6542, 4.3405 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(227, 115, 23) }
```


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

```
.border{ border-color:rgb(227, 115, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 115, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 115, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 115, 23);  
box-shadow:4px 4px 4px 4px rgb(227, 115,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9639, 28.6542, 4.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 115, 23) }
```

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

```
.background{ background-color: rgb(227,  
115, 23) }
```

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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