

Converting Colors

XYZ(37.3083, 26.9406, 3.8233)

Have a look what the booklet for
XYZ(37.3083, 26.9406, 3.8233)
contains.

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Color

**XYZ(37.2581, 26.8457,
3.7903)**

Conversions

Conversions Part 1

Format	Color
Hex	E46A12
RGB	228, 106, 18
RGB Percent	89%, 42%, 7%
CMY	0.1059, 0.5843, 0.9294
CMYK	0.00, 0.54, 0.92, 0.11
HSL	25°, 85%, 48%
HSV	25°, 92%, 89%
XYZ	37.2581, 26.8457, 3.7903
YIQ	132.4460, 100.9600, -1.5040

Conversions

Conversions Part 2

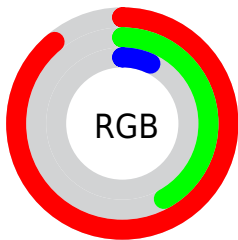
Format	Color
RYB	228, 169, 18
Decimal	14969362
CIELab	58.83, 43.38, 63.72
CIELCh	59, 77.082, 55.751
Yxy	26.8457, 0.5488, 0.3954
Android (android.graphics.Color)	4293159442 (0xFFE46A12)
YUV	132.4460, -56.4219, 83.8009
Hunter-Lab	51.8128, 37.6851, 31.9317

Details

The XYZ color **37.2581, 26.8457, 3.7903** 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 **23.6305, 24.4851, 76.8788**, and the grayscale version is **22.2667, 23.4263, 25.5112**.

A 20% lighter version of the original color is **55.0808, 46.9096, 12.8080**, and **16.8362, 10.6377, 1.1659** is the 20% darker color. If you saturate the color by 10%, you get **36.1364, 24.7774, 2.8779**, and if you desaturate by 10%, it is **39.0184, 29.9065, 5.7960**.

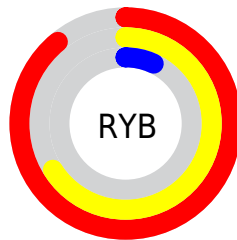
Distribution



Red (89%)

Green (42%)

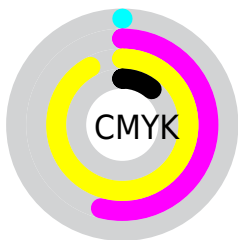
Blue (7%)



Red (89%)

Yellow (66%)

Blue (7%)

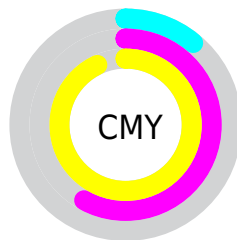


Cyan (0%)

Magenta (54%)

Yellow (92%)

Black (11%)



Cyan (11%)


Magenta (58%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2581, 26.8457, 3.7903 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 37.2581, 26.8457, 3.7903 by changing the saturation by 10% instead.


 37.2581, 26.8457,
3.7903


 37.2581, 26.8457,
3.7903


325.7628,
286.9093, 145.8652


 25.5820, 17.4574,
1.5110


 70.2808, 54.6362,
13.5232


 16.6422, 10.5611,
0.2261


 92.3581, 73.8071,
21.8138


 10.0734, 5.7726,
0.0000


 118.6332, 97.0077,
32.9454

 5.5103, 2.7073,
0.0000

 149.4714,
124.6223, 47.3364

 2.5875, 0.9809,
0.0000

 185.2382,
157.0354, 65.4053

 0.9396, 0.0000,
0.0000

 226.2987,

 0.0000, 0.0000,

194.6313, 87.5707

0.0000

273.0185,
237.7945, 114.2512

37.2581, 26.8457,
3.7903

37.2581, 26.8457,
3.7903

36.1364, 24.7774,
2.8779

39.0184, 29.9065,
5.7960

41.2278, 33.4974,
9.0844

43.9300, 37.6509,
13.8418

47.1621, 42.3946,
20.2230

50.9567, 47.7538,
28.3630

■ 55.3438, 53.7522,
38.3825

■ 60.3506, 60.4120,
50.3913

■ 66.0028, 67.7541,
64.4906

■ 72.3244, 75.7985,
80.7750

Harmonies

Analogous

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



45.7937, 26.8457, 11.8656



37.2581, 26.8457, 3.7903



26.8955, 26.8457, 1.9302

Triad

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



37.2581, 26.8457, 3.7903



11.2753, 26.8457, 25.5180



34.3176, 26.8457, 106.3655

Complementary

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



37.2581, 26.8457, 3.7903



23.6305, 24.4851, 76.8788

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.



24.1845, 26.8457, 118.7884



37.2581, 26.8457, 3.7903



12.3314, 26.8457, 58.4116

Square

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



37.2581, 26.8457, 3.7903



13.1851, 26.8457, 8.5482



16.5433, 26.8457, 97.4441



43.8211, 26.8457, 69.7405

Rectangle

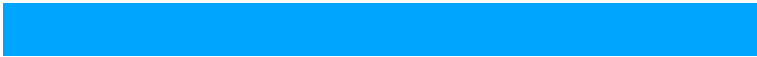
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.2581, 26.8457, 3.7903



20.8653, 26.8457, 2.2437



16.5433, 26.8457, 97.4441



30.8110, 26.8457, 114.2055

Sweetspot

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



37.2587, 26.8472, 3.7908



73.7756, 72.5554, 55.2441



36.9817, 18.8349, 26.6916



15.2157, 14.7581, 10.4650



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.



37.2587, 26.8472, 3.7908



46.4835, 31.7470, 3.6778



55.2740, 62.8778, 9.7959



14.8708, 15.3555, 15.0846



20.9779, 14.5299, 1.6989



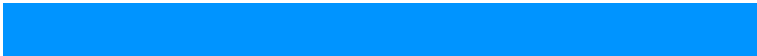
1.6403, 1.2539, 0.1556

Inverse Universe

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



23.6305, 24.4851, 76.8788



28.6613, 28.4426, 98.5871



14.8690, 6.9620, 73.9583



14.2748, 15.2711, 18.3396



13.0059, 13.0739, 44.2212



1.0524, 1.1488, 3.2982

Previews

White Background



This preview shows how the XYZ color 37.2581, 26.8457, 3.7903 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 37.2581, 26.8457, 3.7903 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 37.2581, 26.8457, 3.7903

Background



This preview shows how black text looks on a background with the XYZ color 37.2581, 26.8457, 3.7903.



This preview shows how white text looks on a background with the XYZ color 37.2581, 26.8457,

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

37.2581, 26.8457, 3.7903

Protanopia

24.3798, 26.9034, 5.0065

Deuteranopia

27.2544, 26.9117, 3.7580



Tritanopia

39.9666, 26.9325, 16.4566

Trichromacy



Original Color

37.2581, 26.8457, 3.7903

Protanomaly

28.0227, 26.0807, 4.4213

Deuteranomaly

30.2720, 26.3010, 3.6821

Tritanomaly

38.5871, 26.8068, 9.4438

Monochromacy



Original Color

37.2581, 26.8457, 3.7903

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.9076, 23.1367, 13.0506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2581, 26.8457, 3.7903 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(228, 106, 18)` looks like.

```
.text, #text, p{  
    color:rgb(228, 106, 18)  
}
```

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(228, 106, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 106, 18) }
```

Border

The CSS property to change the border of an element to XYZ 37.2581, 26.8457, 3.7903 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(228, 106, 18) }
```


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

```
.border{ border-color:rgb(228, 106, 18) }
```

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

Here you see how a box with a 4 pixel rgb(228, 106, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 106, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 106, 18);  
box-shadow:4px 4px 4px 4px rgb(228, 106,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2581, 26.8457, 3.7903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 106, 18) }
```

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

```
.background{ background-color: rgb(228,  
106, 18) }
```

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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