

Converting Colors

XYZ(37.2083, 28.8461, 4.9768)

Have a look what the booklet for
XYZ(37.2083, 28.8461, 4.9768)
contains.

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Color

**XYZ(37.1706, 28.7491,
4.9565)**

Conversions

Conversions Part 1

Format	Color
Hex	DF7620
RGB	223, 118, 32
RGB Percent	87%, 46%, 13%
CMY	0.1255, 0.5372, 0.8745
CMYK	0.00, 0.47, 0.86, 0.13
HSL	27°, 75%, 50%
HSV	27°, 86%, 87%
XYZ	37.1706, 28.7491, 4.9565
YIQ	139.5910, 90.1860, -4.4860

Conversions

Conversions Part 2

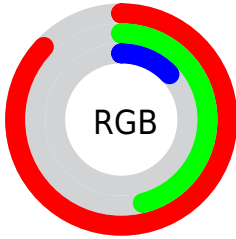
Format	Color
RYB	223, 188, 32
Decimal	14644768
CIELab	60.56, 35.64, 60.59
CIElCh	61, 70.295, 59.531
Yxy	28.7491, 0.5244, 0.4056
Android (android.graphics.Color)	4292834848 (0xFFDF7620)
YUV	139.5910, -53.0424, 73.1497
Hunter-Lab	53.6182, 29.9126, 32.0519

Details

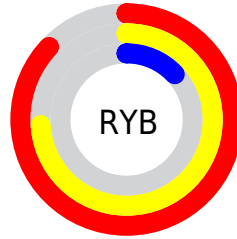
The XYZ color **37.1706, 28.7491, 4.9565** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **22.8600, 23.5249, 73.1475**, and the grayscale version is **24.9441, 26.2431, 28.5788**.

A 20% lighter version of the original color is **57.4826, 51.0577, 15.6296**, and **16.7051, 11.5914, 1.3569** is the 20% darker color. If you saturate the color by 10%, you get **35.6125, 25.9654, 3.4135**, and if you desaturate by 10%, it is **39.1222, 31.9930, 7.6407**.

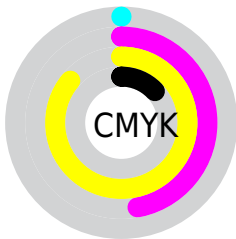
Distribution



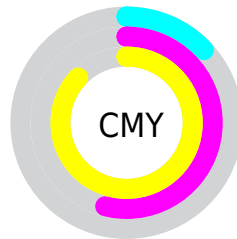
- Red (87%)
- Green (46%)
- Blue (13%)



- Red (87%)
- Yellow (74%)
- Blue (13%)



- Cyan (0%)
- Magenta (47%)
- Yellow (86%)
- Black (13%)





- Cyan (13%)
- Magenta (54%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1706, 28.7491, 4.9565 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 37.1706, 28.7491, 4.9565 by changing the saturation by 10% instead.


 37.1706, 28.7491,
4.9565


 37.1706, 28.7491,
4.9565


325.3913,
296.0293, 158.3279

 25.5139, 18.8911,
2.1635


 70.1472, 57.6782,
16.1617

 16.5911, 11.5916,
0.6532

 92.1978, 77.5181,
25.4110

 10.0369, 6.4663,
0.0000


 118.4438,
101.4541, 37.6494

 5.4859, 3.1306,
0.0000

 149.2505,
129.8706, 53.2956

 2.5727, 1.2003,
0.0000

 184.9832,
163.1520, 72.7679

 0.9321, 0.0619,
0.0000

 226.0073,

 0.0000, 0.0000,

201.6826, 96.4851

0.0000

272.6882,
245.8469, 124.8656

■ 37.1706, 28.7491,
4.9565

■ 37.1706, 28.7491,
4.9565

■ 35.6125, 25.9654,
3.4135

■ 39.1222, 31.9930,
7.6407

■ 35.0283, 24.8819,
2.9565

■ 41.5079, 35.7204,
11.6549

■ 44.3639, 39.9572,
17.1543

■ 47.7211, 44.7257,
24.2722

■ 51.6075, 50.0466,
33.1267

■ 56.0488, 55.9392,
43.8248

■ 61.0686, 62.4216,
56.4648

■ 66.6894, 69.5112,
71.1381

■ 72.9319, 77.2244,
87.9300

Harmonies

Analogous

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



45.5088, 28.7491, 12.5572



37.1706, 28.7491, 4.9565



27.4683, 28.7491, 3.1979

Triad

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



37.1706, 28.7491, 4.9565



13.3190, 28.7491, 30.8953



36.8675, 28.7491, 98.0929

Complementary

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



37.1706, 28.7491, 4.9565



22.8600, 23.5249, 73.1475

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.



27.1825, 28.7491, 112.6696



37.1706, 28.7491, 4.9565



14.7736, 28.7491, 62.9891

Square

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



37.1706, 28.7491, 4.9565



14.8686, 28.7491, 12.1755



19.3926, 28.7491, 97.2189



45.3083, 28.7491, 64.1260

Rectangle

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



37.1706, 28.7491, 4.9565



21.8931, 28.7491, 3.8684



19.3926, 28.7491, 97.2189



33.5887, 28.7491, 106.0493

Sweetspot

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



37.1712, 28.7507, 4.9570



75.6081, 75.3519, 58.5329



35.4669, 18.5287, 25.3932



15.7181, 15.5160, 11.3935



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.



37.1712, 28.7507, 4.9570



47.3507, 33.4814, 3.9669



54.5995, 63.6072, 10.7664



14.2129, 14.7118, 14.3973



20.7057, 14.8493, 1.7749



1.5237, 1.2062, 0.1525

Inverse Universe

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



22.8600, 23.5249, 73.1475



27.4538, 26.0276, 98.1846



14.7272, 7.2592, 70.4366



13.5735, 14.4861, 17.4684



12.0805, 11.6306, 42.6566



0.9264, 0.9843, 2.9864

Previews

White Background



This preview shows how the XYZ color 37.1706, 28.7491, 4.9565 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 37.1706, 28.7491, 4.9565 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 37.1706, 28.7491, 4.9565

Background



This preview shows how black text looks on a background with the XYZ color 37.1706, 28.7491, 4.9565.



This preview shows how white text looks on a background with the XYZ color 37.1706, 28.7491,

4.9565.

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

37.1706, 28.7491, 4.9565

Protanopia

26.3170, 29.0133, 6.1325

Deuteranopia

29.3577, 28.8265, 4.6329



Tritanopia

40.5245, 28.7908, 20.5608

Trichromacy



Original Color

37.1706, 28.7491, 4.9565

Protanomaly

29.3723, 28.1748, 5.5593

Deuteranomaly

31.8344, 28.4407, 4.6759

Tritanomaly

38.9895, 28.6671, 12.4952

Monochromacy



Original Color

37.1706, 28.7491, 4.9565

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.1778, 25.9882, 15.8957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1706, 28.7491, 4.9565 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(223, 118, 32)` looks like.

```
.text, #text, p{  
    color:rgb(223, 118, 32)  
}
```

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(223, 118, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 118, 32) }
```

Border

The CSS property to change the border of an element to XYZ 37.1706, 28.7491, 4.9565 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(223, 118, 32) }
```


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

```
.border{ border-color:rgb(223, 118, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 118, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 118, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 118, 32);  
box-shadow:4px 4px 4px 4px rgb(223, 118,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1706, 28.7491, 4.9565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 118, 32) }
```

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

```
.background{ background-color: rgb(223,  
118, 32) }
```

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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