

Converting Colors

XYZ(35.4672, 30.7783, 4.0715)

Have a look what the booklet for
XYZ(35.4672, 30.7783, 4.0715)
contains.

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Color

**XYZ(35.5389, 30.7721,
4.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	D48500
RGB	212, 133, 0
RGB Percent	83%, 52%, 0%
CMY	0.1686, 0.4784, 1.0000
CMYK	0.00, 0.37, 1.00, 0.17
HSL	38°, 100%, 42%
HSV	38°, 100%, 83%
XYZ	35.5389, 30.7721, 4.0665
YIQ	141.4590, 89.7770, -24.6150

Conversions

Conversions Part 2

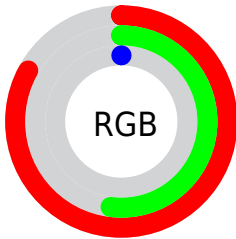
Format	Color
RYB	126, 212, 0
Decimal	13927680
CIELab	62.31, 22.65, 68.17
CIELCh	62, 71.837, 71.622
Yxy	30.7721, 0.5050, 0.4372
Android (android.graphics.Color)	4292117760 (0xFFD48500)
YUV	141.4590, -69.7393, 61.8645
Hunter-Lab	55.4726, 17.2802, 34.4845

Details

The XYZ color **35.5389, 30.7721, 4.0665** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **14.6799, 10.3459, 63.5101**, and the grayscale version is **25.7403, 27.0808, 29.4910**.

A 20% lighter version of the original color is **59.9362, 56.8327, 13.7721**, and **15.8558, 12.7658, 1.6284** is the 20% darker color. If you saturate the color by 10%, you get **35.5390, 30.7727, 4.0666**, and if you desaturate by 10%, it is **36.7995, 33.0739, 5.1641**.

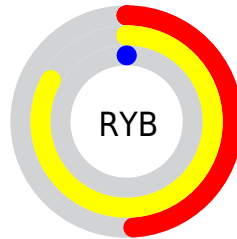
Distribution



Red (83%)

Green (52%)

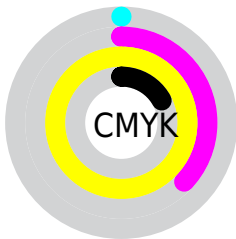
Blue (0%)



Red (49%)

Yellow (83%)

Blue (0%)

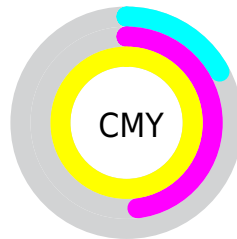


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5389, 30.7721, 4.0665 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 35.5389, 30.7721, 4.0665 by changing the saturation by 10% instead.


 35.5389, 30.7721,
4.0665


 35.5389, 30.7721,
4.0665


318.4072,
305.4870, 148.9617

 24.2467, 20.4254,
1.6619


 67.6483, 60.8811,
14.1628


 15.6425, 12.7046,
0.3344


 89.1963, 81.4121,
22.6917

 9.3608, 7.2255,
0.0000


 114.8936,
106.1067, 34.0990

 5.0362, 3.6035,
0.0000

 145.1055,
135.3493, 48.8033

 2.3035, 1.4543,
0.0000

 180.1975,
169.5242, 67.2232

 0.7965, 0.2563,
0.0000

 220.5349,

 0.0000, 0.0000,

209.0159, 89.7772

0.0000

266.4830,
254.2087, 116.8838

35.5389, 30.7721,
4.0665

35.5389, 30.7721,
4.0665

35.5390, 30.7727,
4.0666

36.7995, 33.0739,
5.1641

38.2931, 35.6004,
7.0824

40.0726, 38.3770,
10.0879

42.1673, 41.4177,
14.3267

44.6019, 44.7352,
19.9222

■ 47.3986, 48.3407,
26.9828

■ 50.5771, 52.2444,
35.6056

■ 54.1558, 56.4562,
45.8795

■ 58.1515, 60.9849,
57.8865

Harmonies

Analogous

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



45.5449, 30.7721, 9.0587



35.5389, 30.7721, 4.0665



25.6451, 30.7721, 3.6797

Triad

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



35.5389, 30.7721, 4.0665



14.5056, 30.7721, 45.4751



43.4865, 30.7721, 91.4887

Complementary

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



35.5389, 30.7721, 4.0665



14.6799, 10.3459, 63.5101

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.



33.1734, 30.7721, 117.9245



35.5389, 30.7721, 4.0665



17.3922, 30.7721, 83.0571

Square

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



35.5389, 30.7721, 4.0665



14.8654, 30.7721, 19.3153



23.7470, 30.7721, 114.1910



50.7880, 30.7721, 53.3520

Rectangle

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



35.5389, 30.7721, 4.0665



20.5093, 30.7721, 5.4829



23.7470, 30.7721, 114.1910



40.1715, 30.7721, 102.7878

Sweetspot

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



35.5396, 30.7737, 4.0671



76.6571, 79.1563, 53.6216



28.6467, 14.5953, 9.1456



15.9537, 16.3912, 10.2260



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.



35.5396, 30.7737, 4.0671



53.8073, 46.3947, 6.1191



44.1023, 57.6851, 8.8102



13.0659, 13.7060, 13.1176



22.0391, 19.1954, 2.5435



1.4075, 1.3141, 0.1795

Inverse Universe

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



14.6799, 10.3459, 63.5101



22.1440, 15.4080, 96.4147



12.2782, 4.9570, 62.5965



12.1179, 12.7592, 15.7616



9.1509, 6.5635, 39.2377



0.6301, 0.5521, 2.3927

Previews

White Background



This preview shows how the XYZ color 35.5389, 30.7721, 4.0665 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 35.5389, 30.7721, 4.0665 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5389, 30.7721, 4.0665

Background



This preview shows how black text looks on a background with the XYZ color 35.5389, 30.7721, 4.0665.



This preview shows how white text looks on a background with the XYZ color 35.5389, 30.7721,

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

35.5389, 30.7721, 4.0665

Protanopia

27.8920, 31.0370, 4.9726

Deuteranopia

31.3083, 30.7213, 4.2797



Tritanopia

40.0566, 30.8605, 26.0358

Trichromacy



Original Color

35.5389, 30.7721, 4.0665

Protanomaly

30.1878, 30.5870, 4.6000

Deuteranomaly

32.7858, 30.6074, 4.1798

Tritanomaly

37.2534, 30.2817, 12.4758

Monochromacy



Original Color

35.5389, 30.7721, 4.0665

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.8703, 27.1306, 13.4934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5389, 30.7721, 4.0665 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(212, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 133, 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(212, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.5389, 30.7721, 4.0665 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(212, 133, 0) }
```


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

```
.border{ border-color:rgb(212, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 133,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5389, 30.7721, 4.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 133, 0) }
```

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

```
.background{ background-color: rgb(212,  
133, 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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