

Converting Colors

XYZ(32.8819, 27.3892, 1.3341)

Have a look what the booklet for
XYZ(32.8819, 27.3892, 1.3341)
contains.

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Color

**XYZ(33.2540, 27.4744,
3.5504)**

Conversions

Conversions Part 1

Format	Color
Hex	D17A00
RGB	209, 122, 0
RGB Percent	82%, 48%, 0%
CMY	0.1804, 0.5215, 1.0000
CMYK	0.00, 0.42, 1.00, 0.18
HSL	35°, 100%, 41%
HSV	35°, 100%, 82%
XYZ	33.2540, 27.4744, 3.5504
YIQ	134.1050, 91.0140, -19.4980

Conversions

Conversions Part 2

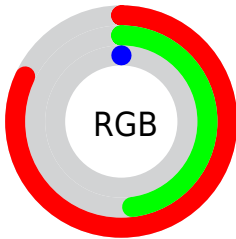
Format	Color
RYB	149, 209, 0
Decimal	13728256
CIELab	59.41, 27.27, 66.12
CIElCh	59, 71.528, 67.585
Yxy	27.4744, 0.5173, 0.4274
Android (android.graphics.Color)	4291918336 (0xFFD17A00)
YUV	134.1050, -66.1138, 65.6829
Hunter-Lab	52.4160, 21.5167, 32.6752

Details

The XYZ color **33.2540, 27.4744, 3.5504** 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 **14.9168, 11.4199, 61.7390**, and the grayscale version is **22.9120, 24.1052, 26.2505**.

A 20% lighter version of the original color is **57.6442, 52.3496, 12.6965**, and **14.5301, 10.9306, 1.3440** is the 20% darker color. If you saturate the color by 10%, you get **33.2542, 27.4750, 3.5505**, and if you desaturate by 10%, it is **34.5056, 29.7627, 4.6311**.

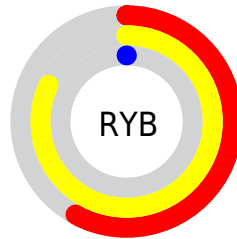
Distribution



Red (82%)

Green (48%)

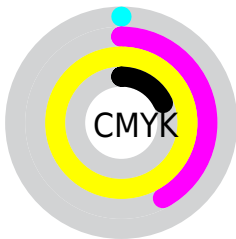
Blue (0%)



Red (58%)

Yellow (82%)

Blue (0%)

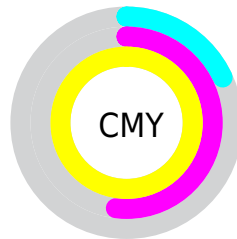


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2540, 27.4744, 3.5504 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 33.2540, 27.4744, 3.5504 by changing the saturation by 10% instead.


 33.2540, 27.4744,
3.5504


 33.2540, 27.4744,
3.5504


308.4375,
289.9468, 143.0887

 22.4813, 17.9298,
1.3821

 64.1239, 55.6442,
12.9588

 14.3295, 10.8996,
0.1277


 84.9518, 75.0382,
21.0360


 8.4334, 5.9994,
0.0000


 109.8621, 98.4842,
31.9199

 4.4277, 2.8447,
0.0000

 139.2202,
126.3664, 46.0290

 1.9468, 1.0512,
0.0000

 173.3914,
159.0695, 63.7819


 0.6038, 0.0000,
0.0000


 212.7412,


 0.0000, 0.0000,


196.9776, 85.5971


0.0000


 257.6347,
240.4752, 111.8932


 33.2540, 27.4744,
3.5504


 33.2540, 27.4744,
3.5504


 33.2542, 27.4750,
3.5505

 34.5056, 29.7627,
4.6311

 36.0002, 32.3039,
6.5104

 37.7897, 35.1236,
9.4477

 39.9031, 38.2371,
13.5845

 42.3651, 41.6576,
19.0401

■ 45.1975, 45.3973,
25.9192

■ 48.4201, 49.4673,
34.3158

■ 52.0511, 53.8781,
44.3159

■ 56.1074, 58.6396,
55.9989

Harmonies

Analogous

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



42.2954, 27.4744, 8.7756



33.2540, 27.4744, 3.5504



23.9035, 27.4744, 2.8120

Triad

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



33.2540, 27.4744, 3.5504



12.4817, 27.4744, 36.9168



38.1029, 27.4744, 88.5741

Complementary

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



33.2540, 27.4744, 3.5504



14.9168, 11.4199, 61.7390

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.



28.4559, 27.4744, 110.3931



33.2540, 27.4744, 3.5504



14.6963, 27.4744, 71.2635

Square

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



33.2540, 27.4744, 3.5504



13.1991, 27.4744, 14.7621



20.0763, 27.4744, 102.7031



45.5120, 27.4744, 52.9659

Rectangle

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



33.2540, 27.4744, 3.5504



18.9165, 27.4744, 4.0247



20.0763, 27.4744, 102.7031



34.9376, 27.4744, 98.4787

Sweetspot

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



33.2546, 27.4759, 3.5509



75.7558, 77.3537, 53.3212



28.0182, 14.2449, 10.3084



15.7391, 15.9621, 10.1545



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.



33.2546, 27.4759, 3.5509



51.9647, 42.7094, 5.5049



44.4331, 56.7526, 8.6127



12.3738, 12.9383, 12.4572



20.6031, 17.1391, 2.2223



1.2294, 1.1131, 0.1500

Inverse Universe

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



14.9168, 11.4199, 61.7390



23.2189, 17.5577, 96.7730



11.7474, 4.7267, 60.6142



11.5622, 12.2146, 14.9919



9.2895, 7.2255, 38.0976



0.5969, 0.5591, 2.1560

Previews

White Background



This preview shows how the XYZ color 33.2540, 27.4744, 3.5504 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 33.2540, 27.4744, 3.5504 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 33.2540, 27.4744, 3.5504

Background



This preview shows how black text looks on a background with the XYZ color 33.2540, 27.4744, 3.5504.



This preview shows how white text looks on a background with the XYZ color 33.2540, 27.4744,

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

33.2540, 27.4744, 3.5504

Protanopia

24.9671, 27.6653, 4.5142

Deuteranopia

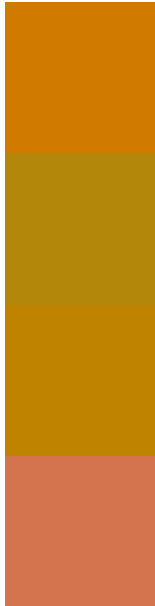
27.8602, 27.4321, 3.8265



Tritanopia

36.8586, 27.3615, 21.7510

Trichromacy



Original Color

33.2540, 27.4744, 3.5504

Protanomaly

27.4494, 27.2139, 4.0932

Deuteranomaly

29.6022, 27.3090, 3.7110

Tritanomaly

34.7719, 27.0379, 10.5939

Monochromacy



Original Color

33.2540, 27.4744, 3.5504

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.3203, 24.1982, 11.9832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2540, 27.4744, 3.5504 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(209, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 122, 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(209, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.2540, 27.4744, 3.5504 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(209, 122, 0) }
```


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

```
.border{ border-color:rgb(209, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2540, 27.4744, 3.5504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 122, 0) }
```

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

```
.background{ background-color: rgb(209,  
122, 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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