

Converting Colors

XYZ(34.0232, 27.4806, 5.7176)

Have a look what the booklet for
XYZ(34.0232, 27.4806, 5.7176)
contains.

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Color

**XYZ(33.9984, 27.4490,
5.6968)**

Conversions

Conversions Part 1

Format	Color
Hex	D3782A
RGB	211, 120, 42
RGB Percent	83%, 47%, 16%
CMY	0.1726, 0.5294, 0.8353
CMYK	0.00, 0.43, 0.80, 0.17
HSL	28°, 67%, 50%
HSV	28°, 80%, 83%
XYZ	33.9984, 27.4490, 5.6968
YIQ	138.3170, 79.2740, -4.9660

Conversions

Conversions Part 2

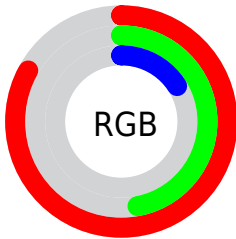
Format	Color
R_{YB}	211, 187, 42
Decimal	13858858
CIE Lab	59.39, 29.98, 55.18
CIE LCh	59, 62.796, 61.479
Yxy	27.4490, 0.5063, 0.4088
Android (android.graphics.Color)	4292048938 (0xFFD3782A)
YUV	138.3170, -47.4843, 63.7430
Hunter-Lab	52.3918, 24.1477, 30.2274

Details

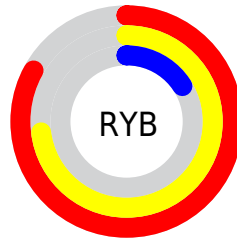
The XYZ color **33.9984, 27.4490, 5.6968** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **21.0998, 21.9694, 64.7561**, and the grayscale version is **24.4341, 25.7066, 27.9945**.

A 20% lighter version of the original color is **58.2040, 51.9553, 17.5504**, and **14.7678, 10.8643, 1.3187** is the 20% darker color. If you saturate the color by 10%, you get **32.4292, 24.7644, 3.7756**, and if you desaturate by 10%, it is **35.9296, 30.5403, 8.7189**.

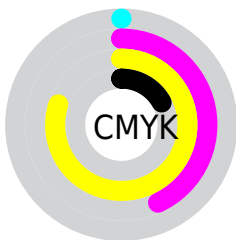
Distribution



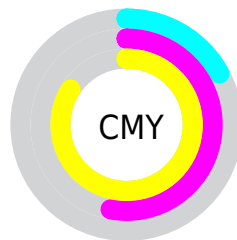
- Red (83%)
- Green (47%)
- Blue (16%)



- Red (83%)
- Yellow (73%)
- Blue (16%)



- Cyan (0%)
- Magenta (43%)
- Yellow (80%)
- Black (17%)





- Cyan (17%)
- Magenta (53%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9984, 27.4490, 5.6968 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 33.9984, 27.4490, 5.6968 by changing the saturation by 10% instead.


 33.9984, 27.4490,
5.6968


 33.9984, 27.4490,
5.6968


311.7110,
289.8246, 165.5448


 23.0553, 17.9107,
2.5958


 65.2755, 55.6035,
17.7649


 14.7552, 10.8859,
0.8903


 86.3401, 74.9886,
27.5692


 8.7330, 5.9902,
0.0000

 111.5093, 98.4247,
40.4449

 4.6231, 2.8391,
0.0000

 141.1484,
126.2962, 56.8106

 2.0603, 1.0483,
0.0000

 175.6228,
158.9875, 77.0850

 0.6675, 0.0000,
0.0000

 215.2978,

 0.0000, 0.0000,

196.8831, 101.6864

0.0000

260.5387,
240.3673, 131.0335

■ 33.9984, 27.4490,
5.6968

■ 33.9984, 27.4490,
5.6968

■ 32.4292, 24.7644,
3.7756

■ 35.9296, 30.5403,
8.7189

■ 31.1747, 22.4705,
2.6942

■ 38.2537, 34.0555,
12.9864

■ 40.9995, 38.0156,
18.6232

■ 44.1922, 42.4384,
25.7375

■ 47.8546, 47.3408,
34.4265

■ 52.0079, 52.7383,
44.7792

■ 56.6718, 58.6459,
56.8778

■ 61.8647, 65.0777,
70.7989

■ 67.6043, 72.0472,
86.6147

Harmonies

Analogous

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



41.2316, 27.4490, 12.4939



33.9984, 27.4490, 5.6968



25.7010, 27.4490, 4.1309

Triad

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



33.9984, 27.4490, 5.6968



13.7020, 27.4490, 31.0195



34.8116, 27.4490, 84.1422

Complementary

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



33.9984, 27.4490, 5.6968



21.0998, 21.9694, 64.7561

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.



26.4818, 27.4490, 97.4720



33.9984, 27.4490, 5.6968



15.1992, 27.4490, 58.6941

Square

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



33.9984, 27.4490, 5.6968



14.9285, 27.4490, 13.6083



19.5133, 27.4490, 86.3914



41.7636, 27.4490, 55.7089

Rectangle

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



33.9984, 27.4490, 5.6968



20.9337, 27.4490, 4.9841



19.5133, 27.4490, 86.3914



32.0290, 27.4490, 91.0349

Sweetspot

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



33.9990, 27.4505, 5.6973



77.0892, 77.4141, 61.8006



32.0616, 17.2528, 24.5439



16.0145, 15.9368, 12.0225



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.



33.9990, 27.4505, 5.6973



48.4027, 35.4959, 4.5932



48.5315, 56.5155, 10.5415



12.2520, 12.6946, 12.4166



18.9142, 13.7615, 1.6593



1.1365, 0.9274, 0.1191

Inverse Universe

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



21.0998, 21.9694, 64.7561



27.8519, 26.6343, 98.2807



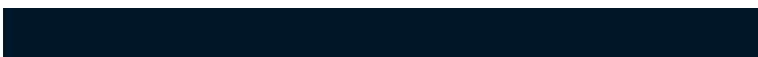
13.8728, 7.5155, 62.3471



11.6833, 12.4569, 15.0323



10.8044, 10.2554, 38.6025



0.6831, 0.7313, 2.1847

Previews

White Background



This preview shows how the XYZ color 33.9984, 27.4490, 5.6968 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 33.9984, 27.4490, 5.6968 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 33.9984, 27.4490, 5.6968

Background



This preview shows how black text looks on a background with the XYZ color 33.9984, 27.4490, 5.6968.



This preview shows how white text looks on a background with the XYZ color 33.9984, 27.4490,

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

33.9984, 27.4490, 5.6968

Protanopia

25.2047, 27.7370, 6.8216

Deuteranopia

27.9450, 27.4390, 5.4925



Tritanopia

37.2087, 27.3915, 21.0953

Trichromacy



Original Color

33.9984, 27.4490, 5.6968

Protanomaly

27.7475, 27.1089, 6.3549

Deuteranomaly

29.8183, 27.1816, 5.5087

Tritanomaly

35.7941, 27.3303, 13.5139

Monochromacy



Original Color

33.9984, 27.4490, 5.6968

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.0815, 25.2112, 16.3236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9984, 27.4490, 5.6968 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(211, 120, 42)` looks like.

```
.text, #text, p{  
    color:rgb(211, 120, 42)  
}
```

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(211, 120, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 120, 42) }
```

Border

The CSS property to change the border of an element to XYZ 33.9984, 27.4490, 5.6968 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(211, 120, 42) }
```


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

```
.border{ border-color:rgb(211, 120, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 120, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 120, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 120, 42);  
box-shadow:4px 4px 4px 4px rgb(211, 120,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9984, 27.4490, 5.6968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 120, 42) }
```

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

```
.background{ background-color: rgb(211,  
120, 42) }
```

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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