

Converting Colors

XYZ(33.1396, 26.9288, 6.1640)

Have a look what the booklet for
XYZ(33.1396, 26.9288, 6.1640)
contains.

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Color

**XYZ(33.2420, 27.0481,
6.1581)**

Conversions

Conversions Part 1

Format	Color
Hex	D0782F
RGB	208, 120, 47
RGB Percent	82%, 47%, 18%
CMY	0.1843, 0.5294, 0.8157
CMYK	0.00, 0.42, 0.77, 0.18
HSL	27°, 63%, 50%
HSV	27°, 77%, 82%
XYZ	33.2420, 27.0481, 6.1581
YIQ	137.9900, 75.8810, -4.0470

Conversions

Conversions Part 2

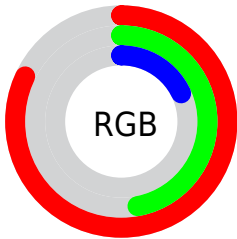
Format	Color
R _Y B	208, 181, 47
Decimal	13662255
CIE Lab	59.02, 28.92, 52.57
CIE LCh	59, 60.003, 61.184
Yxy	27.0481, 0.5003, 0.4071
Android (android.graphics.Color)	4291852335 (0xFFD0782F)
YUV	137.9900, -44.8581, 61.3988
Hunter-Lab	52.0078, 23.0788, 29.3851

Details

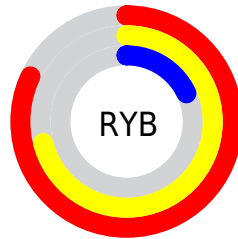
The XYZ color **33.2420, 27.0481, 6.1581** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **21.2208, 22.4851, 62.8957**, and the grayscale version is **24.3000, 25.5655, 27.8408**.

A 20% lighter version of the original color is **58.3882, 52.0290, 18.5205**, and **14.4029, 10.6762, 1.3016** is the 20% darker color. If you saturate the color by 10%, you get **31.6311, 24.3455, 4.0212**, and if you desaturate by 10%, it is **35.2163, 30.1581, 9.4023**.

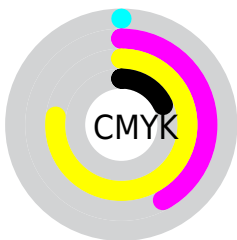
Distribution



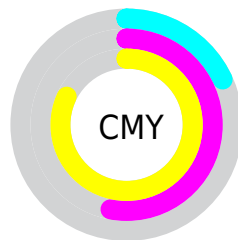
- Red (82%)
- Green (47%)
- Blue (18%)



- Red (82%)
- Yellow (71%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (77%)
- Black (18%)





- Cyan (18%)
- Magenta (53%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2420, 27.0481, 6.1581 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 33.2420, 27.0481, 6.1581 by changing the saturation by 10% instead.


 33.2420, 27.0481,
6.1581


 33.2420, 27.0481,
6.1581


308.3845,
287.8899, 169.8288


 22.4720, 17.6094,
2.8711


 64.1053, 54.9610,
18.7415


 14.3227, 10.6699,
1.0292


 84.9294, 74.2040,
28.8750


 8.4286, 5.8453,
0.0000


 109.8355, 97.4839,
42.1277

 4.4245, 2.7513,
0.0000

 139.1890,
125.1850, 58.9182

 1.9450, 1.0033,
0.0000

 173.3553,
157.6918, 79.6650

 0.6028, 0.0000,
0.0000

 212.6998,

 0.0000, 0.0000,

195.3886, 104.7867

0.0000

257.5877,
238.6598, 134.7017

■ 33.2420, 27.0481,
6.1581

■ 33.2420, 27.0481,
6.1581

■ 31.6311, 24.3455,
4.0212

■ 35.2163, 30.1581,
9.4023

■ 30.3415, 22.0210,
2.8064

■ 37.5826, 33.6922,
13.8863

■ 30.0432, 21.4717,
2.5610

■ 40.3682, 37.6705,
19.7253

■ 43.5968, 42.1104,
27.0206

■ 47.2903, 47.0283,
35.8640

■ 51.4690, 52.4394,
46.3392

■ 56.1516, 58.3584,
58.5244

■ 61.3559, 64.7991,
72.4923

■ 67.0990, 71.7748,
88.3115

Harmonies

Analogous

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



39.9986, 27.0481, 12.9178



33.2420, 27.0481, 6.1581



25.4139, 27.0481, 4.5401

Triad

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



33.2420, 27.0481, 6.1581



13.8903, 27.0481, 30.3056



33.8535, 27.0481, 80.2733

Complementary

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



33.2420, 27.0481, 6.1581



21.2208, 22.4851, 62.8957

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.



26.0052, 27.0481, 92.3737



33.2420, 27.0481, 6.1581



15.3056, 27.0481, 56.1791

Square

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



33.2420, 27.0481, 6.1581



15.0973, 27.0481, 13.7831



19.4088, 27.0481, 81.9368



40.3969, 27.0481, 53.9535

Rectangle

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



33.2420, 27.0481, 6.1581



20.8758, 27.0481, 5.3810



19.4088, 27.0481, 81.9368



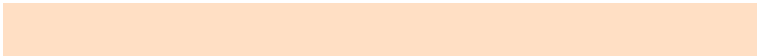
31.2345, 27.0481, 86.5832

Sweetspot

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



33.2426, 27.0495, 6.1586



77.6166, 78.0073, 63.3998



31.4409, 17.2079, 24.7898



16.1114, 16.0423, 12.3268



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.



33.2426, 27.0495, 6.1586



48.7305, 36.0682, 4.9593



47.1680, 54.9002, 10.8004



12.2439, 12.6785, 12.4139



18.8186, 13.5703, 1.6275



1.1310, 0.9163, 0.1173

Inverse Universe

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



21.2208, 22.4851, 62.8957



28.8028, 28.3594, 98.5636



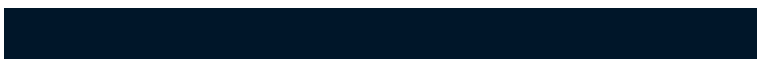
13.9262, 7.8958, 60.4641



11.6915, 12.4732, 15.0350



10.9217, 10.4900, 38.6416



0.6894, 0.7440, 2.1868

Previews

White Background



This preview shows how the XYZ color 33.2420, 27.0481, 6.1581 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 33.2420, 27.0481, 6.1581 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 33.2420, 27.0481, 6.1581

Background



This preview shows how black text looks on a background with the XYZ color 33.2420, 27.0481, 6.1581.



This preview shows how white text looks on a background with the XYZ color 33.2420, 27.0481,

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

33.2420, 27.0481, 6.1581

Protanopia

24.7631, 27.2729, 7.3272

Deuteranopia

27.6723, 27.0788, 5.9587



Tritanopia

36.5077, 27.1878, 21.4128

Trichromacy



Original Color

33.2420, 27.0481, 6.1581

Protanomaly

27.3930, 26.9141, 6.8831

Deuteranomaly

29.6725, 27.0943, 6.0487

Tritanomaly

35.1297, 27.1478, 13.9782

Monochromacy



Original Color

33.2420, 27.0481, 6.1581

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.7704, 25.0391, 16.8394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2420, 27.0481, 6.1581 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(208, 120, 47)` looks like.

```
.text, #text, p{  
    color:rgb(208, 120, 47)  
}
```

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(208, 120, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 120, 47) }
```

Border

The CSS property to change the border of an element to XYZ 33.2420, 27.0481, 6.1581 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(208, 120, 47) }
```


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

```
.border{ border-color:rgb(208, 120, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 120, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 120, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 120, 47);  
box-shadow:4px 4px 4px 4px rgb(208, 120,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2420, 27.0481, 6.1581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 120, 47) }
```

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

```
.background{ background-color: rgb(208,  
120, 47) }
```

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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