

Converting Colors

XYZ(27.0100, 18.6156, 3.7667)

Have a look what the booklet for
XYZ(27.0100, 18.6156, 3.7667)
contains.

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Color

**XYZ(27.0269, 18.6041,
3.7566)**

Conversions

Conversions Part 1

Format	Color
Hex	C75423
RGB	199, 84, 35
RGB Percent	78%, 33%, 14%
CMY	0.2196, 0.6706, 0.8627
CMYK	0.00, 0.58, 0.82, 0.22
HSL	18°, 70%, 46%
HSV	18°, 82%, 78%
XYZ	27.0269, 18.6041, 3.7566
YIQ	112.7990, 84.2690, 9.1410

Conversions

Conversions Part 2

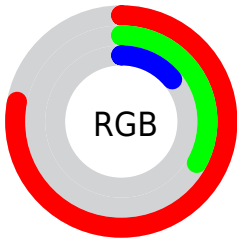
Format	Color
R_{YB}	199, 105, 35
Decimal	13063203
CIE Lab	50.22, 43.36, 49.06
CIE LCh	50, 65.478, 48.533
Yxy	18.6041, 0.5472, 0.3767
Android (android.graphics.Color)	4291253283 (0xFFC75423)
YUV	112.7990, -38.3549, 75.5983
Hunter-Lab	43.1325, 36.3667, 25.0289

Details

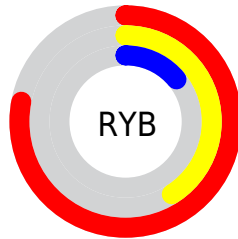
The XYZ color **27.0269, 18.6041, 3.7566** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **21.9073, 26.2917, 57.9526**, and the grayscale version is **15.7297, 16.5489, 18.0217**.

A 20% lighter version of the original color is **51.7859, 39.7914, 13.3386**, and **10.9712, 6.3832, 0.6538** is the 20% darker color. If you saturate the color by 10%, you get **25.8335, 16.5638, 2.2913**, and if you desaturate by 10%, it is **28.6043, 21.1449, 6.1759**.

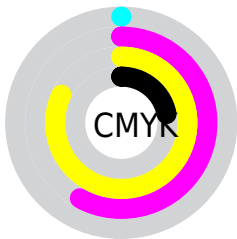
Distribution



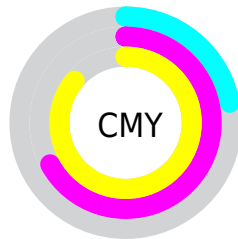
- Red (78%)
- Green (33%)
- Blue (14%)



- Red (78%)
- Yellow (41%)
- Blue (14%)



- Cyan (0%)
- Magenta (58%)
- Yellow (82%)
- Black (22%)





- Cyan (22%)
- Magenta (67%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0269, 18.6041, 3.7566 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 27.0269, 18.6041, 3.7566 by changing the saturation by 10% instead.


 27.0269, 18.6041,
3.7566


 27.0269, 18.6041,
3.7566


279.9525,
244.2544, 145.4803


 17.7301, 11.3846,
1.4928


 54.3466, 41.0640,
13.4444


 10.8549, 6.3261,
0.2125


 73.1003, 57.0732,
21.7055


 6.0359, 3.0444,
0.0000


 95.7369, 76.7811,
32.8027

 2.9078, 1.1549,
0.0000

 122.6219,
100.5720, 47.1547

 1.1052, 0.0244,
0.0000

 154.1206,
128.8304, 65.1798

 0.0295, 0.0000,
0.0000

 190.5984,

 0.0000, 0.0000,

161.9407, 87.2968

0.0000

232.4206,
200.2872, 113.9241

27.0269, 18.6041,
3.7566

27.0269, 18.6041,
3.7566

25.8335, 16.5638,
2.2913

28.6043, 21.1449,
6.1759

25.1410, 15.3179,
1.6316

30.6010, 24.2167,
9.6825

33.0490, 27.8507,
14.3894

35.9766, 32.0746,
20.3946

39.4096, 36.9142,
27.7861

■ 43.3718, 42.3935,
36.6443

■ 47.8853, 48.5354,
47.0431

■ 52.9710, 55.3616,
59.0516

■ 58.6487, 62.8926,
72.7345

Harmonies

Analogous

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



31.9120, 18.6041, 11.0759



27.0269, 18.6041, 3.7566



20.2139, 18.6041, 1.7016

Triad

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



27.0269, 18.6041, 3.7566



8.2368, 18.6041, 14.0880



21.8394, 18.6041, 74.5247

Complementary

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



27.0269, 18.6041, 3.7566



21.9073, 26.2917, 57.9526

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.



15.3720, 18.6041, 77.2054



27.0269, 18.6041, 3.7566



8.4723, 18.6041, 33.4759

Square

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



27.0269, 18.6041, 3.7566



10.0416, 18.6041, 4.8333



10.7865, 18.6041, 59.2021



28.4586, 18.6041, 53.2084

Rectangle

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



27.0269, 18.6041, 3.7566



15.9378, 18.6041, 1.6429



10.7865, 18.6041, 59.2021



19.5504, 18.6041, 77.9641

Sweetspot

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



27.0273, 18.6051, 3.7569



73.7921, 71.2739, 59.3026



29.8654, 15.6287, 31.3779



15.2634, 14.5213, 11.5047



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.



27.0273, 18.6051, 3.7569



43.9774, 26.7124, 2.9114



37.0366, 38.6238, 7.0933



10.8879, 11.1450, 11.1401



16.2338, 9.9848, 1.0716



0.8330, 0.6015, 0.0722

Inverse Universe

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



21.9073, 26.2917, 57.9526



34.3152, 39.7030, 100.4626



13.2257, 8.9284, 55.0588



10.6688, 11.5117, 13.5772



12.6951, 14.7841, 36.9289



0.6622, 0.8222, 1.7689

Previews

White Background



This preview shows how the XYZ color 27.0269, 18.6041, 3.7566 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 27.0269, 18.6041, 3.7566 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 27.0269, 18.6041, 3.7566

Background



This preview shows how black text looks on a background with the XYZ color 27.0269, 18.6041, 3.7566.



This preview shows how white text looks on a background with the XYZ color 27.0269, 18.6041,

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

27.0269, 18.6041, 3.7566

Protanopia

17.0216, 18.6907, 5.1932

Deuteranopia

18.9345, 18.6758, 3.4174



Tritanopia

28.4836, 18.6496, 10.4860

Trichromacy



Original Color

27.0269, 18.6041, 3.7566

Protanomaly

19.7585, 17.9446, 4.5201

Deuteranomaly

21.1965, 18.1045, 3.4142

Tritanomaly

27.7452, 18.5576, 7.2739

Monochromacy



Original Color

27.0269, 18.6041, 3.7566

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.8927, 16.0879, 10.7566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0269, 18.6041, 3.7566 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(199, 84, 35)` looks like.

```
.text, #text, p{  
    color:rgb(199, 84, 35)  
}
```

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(199, 84, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 84, 35) }
```

Border

The CSS property to change the border of an element to XYZ 27.0269, 18.6041, 3.7566 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(199, 84, 35) }
```


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

```
.border{ border-color:rgb(199, 84, 35) }
```

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

Here you see how a box with a 4 pixel rgb(199, 84, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 84, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 84, 35);  
box-shadow:4px 4px 4px 4px rgb(199, 84,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0269, 18.6041, 3.7566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 84, 35) }
```

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

```
.background{ background-color: rgb(199, 84,  
35) }
```

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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