

Converting Colors

XYZ(27.5046, 16.6013, 3.0498)

Have a look what the booklet for
XYZ(27.5046, 16.6013, 3.0498)
contains.

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Color

**XYZ(27.6482, 16.7018,
3.0629)**

Conversions

Conversions Part 1

Format	Color
Hex	CF3D1F
RGB	207, 61, 31
RGB Percent	81%, 24%, 12%
CMY	0.1882, 0.7607, 0.8784
CMYK	0.00, 0.71, 0.85, 0.19
HSL	10°, 74%, 47%
HSV	10°, 85%, 81%
XYZ	27.6482, 16.7018, 3.0629
YIQ	101.2340, 96.6460, 21.6220

Conversions

Conversions Part 2

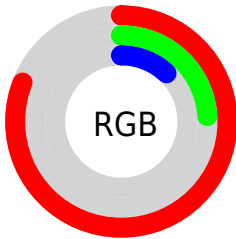
Format	Color
RYB	207, 67, 31
Decimal	13581599
CIELab	47.88, 55.94, 49.32
CIElCh	48, 74.574, 41.399
Yxy	16.7018, 0.5831, 0.3523
Android (android.graphics.Color)	4291771679 (0xFFCF3D1F)
YUV	101.2340, -34.6254, 92.7568
Hunter-Lab	40.8678, 49.2414, 24.1639

Details

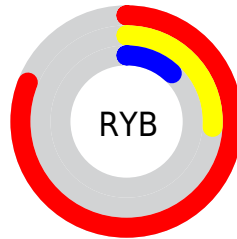
The XYZ color **27.6482, 16.7018, 3.0629** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **27.5479, 36.2370, 64.5736**, and the grayscale version is **12.5004, 13.1514, 14.3219**.

A 20% lighter version of the original color is **49.0126, 34.5471, 11.4821**, and **11.5016, 5.9293, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **26.6831, 15.0773, 1.7997**, and if you desaturate by 10%, it is **29.0823, 18.9850, 5.3453**.

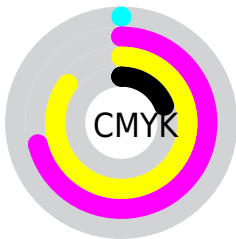
Distribution



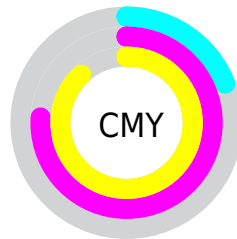
- Red (81%)
- Green (24%)
- Blue (12%)



- Red (81%)
- Yellow (26%)
- Blue (12%)



- Cyan (0%)
- Magenta (71%)
- Yellow (85%)
- Black (19%)





- Cyan (19%)
- Magenta (76%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6482, 16.7018, 3.0629 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 27.6482, 16.7018, 3.0629 by changing the saturation by 10% instead.


 27.6482, 16.7018,
3.0629


 27.6482, 16.7018,
3.0629


282.8927,
233.4480, 137.1578


 18.1997, 10.0221,
1.1268


 55.3349, 37.8124,
11.7833


 11.1940, 5.4136,
0.0000


 74.3038, 53.0120,
19.4046

 6.2658, 2.4919,
0.0000


 97.1769, 71.8204,
29.7582

 3.0495, 0.8726,
0.0000

 124.3195, 94.6220,
43.2625

 1.1800, 0.0000,
0.0000

 156.0971,
121.8012, 60.3361

 0.0905, 0.0000,
0.0000

 192.8749,

 0.0000, 0.0000,

153.7423, 81.3974

0.0000

235.0183,
190.8298, 106.8651

27.6482, 16.7018,
3.0629

27.6482, 16.7018,
3.0629

26.6831, 15.0773,
1.7997

29.0823, 18.9850,
5.3453

26.3417, 14.4848,
1.4075

31.0387, 21.9862,
8.8076

33.5641, 25.7612,
13.5829

36.6996, 30.3591,
19.7860

40.4824, 35.8253,
27.5193

■ 44.9466, 42.2014,
36.8757

■ 50.1239, 49.5265,
47.9408

■ 56.0440, 57.8376,
60.7939

■ 62.7348, 67.1694,
75.5096

Harmonies

Analogous

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



32.1718, 16.7018, 11.8182



27.6482, 16.7018, 3.0629



20.3543, 16.7018, 0.8303

Triad

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



27.6482, 16.7018, 3.0629



6.5197, 16.7018, 8.7644



18.5626, 16.7018, 83.7458

Complementary

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



27.6482, 16.7018, 3.0629



27.5479, 36.2370, 64.5736

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.



12.1056, 16.7018, 80.4655



27.6482, 16.7018, 3.0629



6.2907, 16.7018, 26.5065

Square

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



27.6482, 16.7018, 3.0629



8.7816, 16.7018, 2.1673



8.0320, 16.7018, 55.1827



26.0227, 16.7018, 62.3492

Rectangle

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



27.6482, 16.7018, 3.0629



15.5617, 16.7018, 0.5596



8.0320, 16.7018, 55.1827



16.1916, 16.7018, 85.7479

Sweetspot

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



27.6486, 16.7028, 3.0632



71.0481, 66.2317, 57.0129



34.2244, 17.4463, 43.5077



14.6540, 13.3877, 11.0388



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.



27.6486, 16.7028, 3.0632



42.1214, 23.0228, 2.2238



36.6216, 34.6488, 6.0542



11.9693, 12.1294, 12.3224



16.6443, 9.2217, 0.9027



0.9820, 0.6183, 0.0676

Inverse Universe

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



27.5479, 36.2370, 64.5736



41.4740, 54.0680, 102.8580



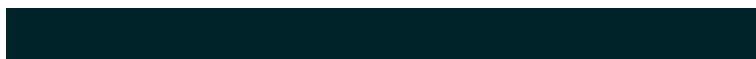
15.4557, 12.0527, 60.5428



11.9797, 13.0497, 15.1311



16.4162, 21.4790, 40.4731



0.9643, 1.2938, 2.2785

Previews

White Background



This preview shows how the XYZ color 27.6482, 16.7018, 3.0629 looks on a white 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

Black Background



This preview shows how the XYZ color 27.6482, 16.7018, 3.0629 looks on a black 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

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

XYZ 27.6482, 16.7018, 3.0629

Background



This preview shows how black text looks on a background with the XYZ color 27.6482, 16.7018, 3.0629.



This preview shows how white text looks on a background with the XYZ color 27.6482, 16.7018,

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

27.6482, 16.7018, 3.0629

Protanopia

15.5065, 17.0401, 4.9544

Deuteranopia

17.0561, 16.7514, 2.4205



Tritanopia

28.3411, 16.7623, 6.0167

Trichromacy



Original Color

27.6482, 16.7018, 3.0629

Protanomaly

18.3798, 15.5057, 4.0317

Deuteranomaly

19.9622, 15.8361, 2.3853

Tritanomaly

28.1308, 16.7596, 4.6580

Monochromacy



Original Color

27.6482, 16.7018, 3.0629

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.4475, 12.7528, 8.4848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6482, 16.7018, 3.0629 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(207, 61, 31)` looks like.

```
.text, #text, p{  
    color:rgb(207, 61, 31)  
}
```

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(207, 61, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 61, 31) }
```

Border

The CSS property to change the border of an element to XYZ 27.6482, 16.7018, 3.0629 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(207, 61, 31) }
```


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

```
.border{ border-color:rgb(207, 61, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 61, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 61, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 61, 31);  
box-shadow:4px 4px 4px 4px rgb(207, 61,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6482, 16.7018, 3.0629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 61, 31) }
```

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

```
.background{ background-color: rgb(207, 61,  
31) }
```

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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