

Converting Colors

XYZ(27.4757, 17.9851, 2.0233)

Have a look what the booklet for
XYZ(27.4757, 17.9851, 2.0233)
contains.

XYZ(27.4863, 18.0063, 2.0269)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.4863, 18.0063,
2.0269)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4C00
RGB	204, 76, 0
RGB Percent	80%, 30%, 0%
CMY	0.2000, 0.7019, 1.0000
CMYK	0.00, 0.63, 1.00, 0.20
HSL	22°, 100%, 40%
HSV	22°, 100%, 80%
XYZ	27.4863, 18.0063, 2.0269
YIQ	105.6080, 100.6840, 3.5000

Conversions

Conversions Part 2

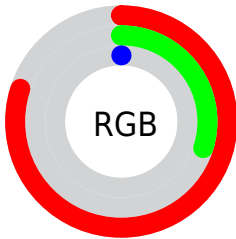
Format	Color
R_YB	204, 121, 0
Decimal	13388800
CIE Lab	49.50, 48.30, 59.93
CIE LCh	50, 76.973, 51.133
Yxy	18.0063, 0.5784, 0.3789
Android (android.graphics.Color)	4291578880 (0xFFCC4C00)
YUV	105.6080, -52.0647, 86.2898
Hunter-Lab	42.4338, 41.3633, 26.8716

Details

The XYZ color **27.4863, 18.0063, 2.0269** 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 **18.6176, 19.7967, 59.9661**, and the grayscale version is **13.7118, 14.4259, 15.7098**.

A 20% lighter version of the original color is **49.9059, 37.2868, 8.8417**, and **11.1850, 6.0636, 0.5809** is the 20% darker color. If you saturate the color by 10%, you get **27.4865, 18.0070, 2.0270**, and if you desaturate by 10%, it is **28.5879, 20.0021, 3.0349**.

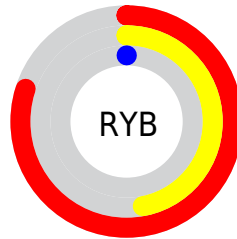
Distribution



Red (80%)

Green (30%)

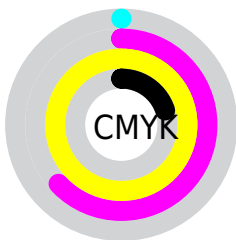
Blue (0%)



Red (80%)

Yellow (47%)

Blue (0%)

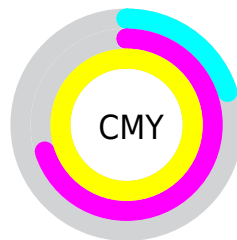


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 27.4863, 18.0063, 2.0269 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 27.4863, 18.0063, 2.0269 by changing the saturation by 10% instead.


 27.4863, 18.0063,
2.0269


 27.4863, 18.0063,
2.0269


 282.1289,
240.9066, 122.7931


 18.0773, 10.9545,
0.5717


 55.0776, 40.0481,
9.1142


 11.1055, 6.0363,
0.0000


 73.9907, 55.8068,
15.6343

 6.2057, 2.8671,
0.0000


 96.8024, 75.2367,
24.6967

 3.0124, 1.0628,
0.0000

 123.8781, 98.7221,
36.7201

 1.1603, 0.0000,
0.0000

 155.5833,
126.6474, 52.1228


 0.0747, 0.0000,
0.0000


 192.2832,


 0.0000, 0.0000,


159.3969, 71.3236


0.0000


 234.3433,
197.3552, 94.7408


 27.4863, 18.0063,
2.0269


 27.4863, 18.0063,
2.0269


 27.4865, 18.0070,
2.0270

 28.5879, 20.0021,
3.0349

 30.0113, 22.4217,
4.8260

 31.8127, 25.3030,
7.6510

 34.0256, 28.6725,
11.6449

 36.6790, 32.5544,
16.9219

■ 39.7989, 36.9710,
23.5824

■ 43.4090, 41.9432,
31.7167

■ 47.5315, 47.4904,
41.4075

■ 52.1869, 53.6314,
52.7313

Harmonies

Analogous

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



33.7718, 18.0063, 8.4134



27.4863, 18.0063, 2.0269



19.3639, 18.0063, 0.6500

Triad

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



27.4863, 18.0063, 2.0269



6.6752, 18.0063, 14.0532



22.6733, 18.0063, 85.8047

Complementary

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



27.4863, 18.0063, 2.0269



18.6176, 19.7967, 59.9661

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.



15.0463, 18.0063, 91.8742



27.4863, 18.0063, 2.0269



7.0970, 18.0063, 37.9012

Square

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



27.4863, 18.0063, 2.0269



8.3657, 18.0063, 3.6753



9.7479, 18.0063, 70.3113



30.4900, 18.0063, 57.0535

Rectangle

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



27.4863, 18.0063, 2.0269



14.5515, 18.0063, 0.6870



9.7479, 18.0063, 70.3113



19.9620, 18.0063, 91.1054

Sweetspot

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



27.4867, 18.0073, 2.0272



71.6396, 69.1212, 51.9491



28.8775, 14.4277, 22.1018



14.7685, 14.0208, 9.8310



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.



27.4867, 18.0073, 2.0272



45.3329, 29.4458, 3.2943



40.5843, 44.2026, 6.3931



11.5490, 11.8870, 11.7652



17.3829, 11.4987, 1.3033



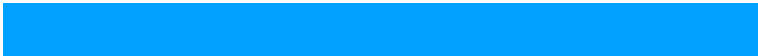
0.9690, 0.7377, 0.0913

Inverse Universe

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



18.6176, 19.7967, 59.9661



30.6195, 32.3589, 99.2398



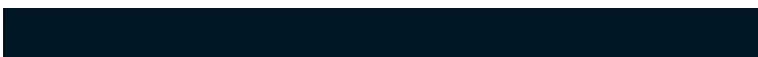
11.2957, 5.1529, 57.5255



11.1783, 11.9971, 14.2969



11.8098, 12.6436, 37.7743



0.6805, 0.7948, 1.9725

Previews

White Background



This preview shows how the XYZ color 27.4863, 18.0063, 2.0269 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 27.4863, 18.0063, 2.0269 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 27.4863, 18.0063, 2.0269

Background



This preview shows how black text looks on a background with the XYZ color 27.4863, 18.0063, 2.0269.



This preview shows how white text looks on a background with the XYZ color 27.4863, 18.0063,

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

27.4863, 18.0063, 2.0269

Protanopia

16.4050, 18.2343, 3.3644

Deuteranopia

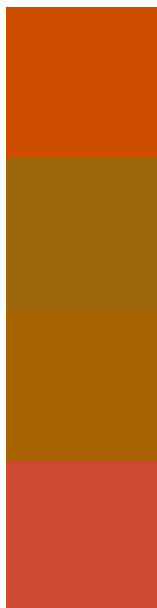
18.1886, 17.9779, 2.5114



Tritanopia

28.9768, 18.1363, 8.6300

Trichromacy



Original Color

27.4863, 18.0063, 2.0269

Protanomaly

19.2210, 17.1005, 2.6684

Deuteranomaly

20.8240, 17.3587, 2.2530

Tritanomaly

28.0929, 17.9576, 4.7818

Monochromacy



Original Color

27.4863, 18.0063, 2.0269

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

16.2607, 14.3404, 7.2211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4863, 18.0063, 2.0269 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(204, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 76, 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(204, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.4863, 18.0063, 2.0269 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(204, 76, 0) }
```


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

```
.border{ border-color:rgb(204, 76, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 76, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.4863, 18.0063, 2.0269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 76, 0) }
```

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

```
.background{ background-color: rgb(204, 76,  
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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