

Converting Colors

XYZ(27.6958, 18.4256, 2.0968)

Have a look what the booklet for
XYZ(27.6958, 18.4256, 2.0968)
contains.

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Color

**XYZ(27.6978, 18.4293,
2.0974)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4F00
RGB	204, 79, 0
RGB Percent	80%, 31%, 0%
CMY	0.2000, 0.6902, 1.0000
CMYK	0.00, 0.61, 1.00, 0.20
HSL	23°, 100%, 40%
HSV	23°, 100%, 80%
XYZ	27.6978, 18.4293, 2.0974
YIQ	107.3690, 99.8590, 1.9310

Conversions

Conversions Part 2

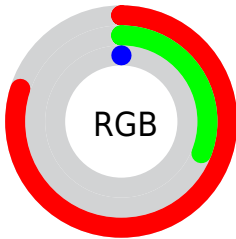
Format	Color
RYB	204, 129, 0
Decimal	13389568
CIELab	50.01, 46.95, 60.20
CIELCh	50, 76.348, 52.048
Yxy	18.4293, 0.5744, 0.3822
Android (android.graphics.Color)	4291579648 (0xFFCC4F00)
YUV	107.3690, -52.9329, 84.7454
Hunter-Lab	42.9294, 40.0409, 27.1538

Details

The XYZ color **27.6978, 18.4293, 2.0974** 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 **18.2322, 19.0259, 59.8377**, and the grayscale version is **14.2018, 14.9414, 16.2712**.

A 20% lighter version of the original color is **50.3336, 38.0995, 9.1159**, and **11.2909, 6.2755, 0.6162** is the 20% darker color. If you saturate the color by 10%, you get **27.6980, 18.4299, 2.0975**, and if you desaturate by 10%, it is **28.8161, 20.4584, 3.1110**.

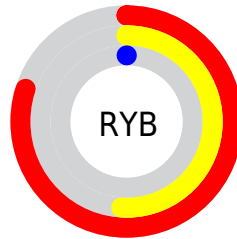
Distribution



Red (80%)

Green (31%)

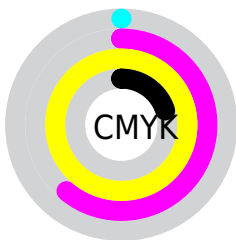
Blue (0%)



Red (80%)

Yellow (51%)

Blue (0%)

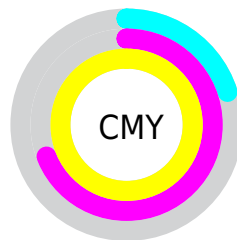


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6978, 18.4293, 2.0974 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 27.6978, 18.4293, 2.0974 by changing the saturation by 10% instead.


 27.6978, 18.4293,
2.0974


 27.6978, 18.4293,
2.0974


283.1264,
243.2798, 123.8713


 18.2373, 11.2586,
0.6142


 55.4136, 40.7675,
9.3054

 11.2212, 6.2411,
0.0000


 74.3996, 56.7038,
15.9080

 6.2842, 2.9922,
0.0000


 97.2915, 76.3308,
25.0676

 3.0609, 1.1277,
0.0000

 124.4546,
100.0329, 37.2029

 1.1861, 0.0014,
0.0000

 156.2543,
128.1944, 52.7324


 0.0953, 0.0000,
0.0000


 193.0559,


 0.0000, 0.0000,


161.1998, 72.0746


0.0000


 235.2248,
199.4335, 95.6481


 27.6978, 18.4293,
2.0974


 27.6978, 18.4293,
2.0974


 27.6980, 18.4299,
2.0975

 28.8161, 20.4584,
3.1110

 30.2494, 22.8980,
4.9054

 32.0533, 25.7842,
7.7313

 34.2606, 29.1424,
11.7233

 36.8996, 32.9957,
16.9955

■ 39.9959, 37.3651,
23.6481

■ 43.5727, 42.2705,
31.7714

■ 47.6515, 47.7304,
41.4476

■ 52.2525, 53.7626,
52.7533

Harmonies

Analogous

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



34.1052, 18.4293, 8.4044



27.6978, 18.4293, 2.0974



19.5405, 18.4293, 0.7422

Triad

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



27.6978, 18.4293, 2.0974



6.9342, 18.4293, 14.9822



23.3605, 18.4293, 85.5892

Complementary

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



27.6978, 18.4293, 2.0974



18.2322, 19.0259, 59.8377

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.



15.6373, 18.4293, 92.5136



27.6978, 18.4293, 2.0974



7.4283, 18.4293, 39.3624

Square

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



27.6978, 18.4293, 2.0974



8.5847, 18.4293, 4.0681



10.1971, 18.4293, 71.7208



31.1531, 18.4293, 56.5557

Rectangle

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



27.6978, 18.4293, 2.0974



14.7351, 18.4293, 0.8084



10.1971, 18.4293, 71.7208



20.6275, 18.4293, 91.1322

Sweetspot

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



27.6982, 18.4304, 2.0977



71.9130, 69.6682, 52.0402



28.6548, 14.3386, 20.9289



14.8324, 14.1488, 9.8523



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.



27.6982, 18.4304, 2.0977



45.6788, 30.1376, 3.4096



41.2633, 45.5605, 6.6194



11.5626, 11.9142, 11.7697



17.5178, 11.7685, 1.3483



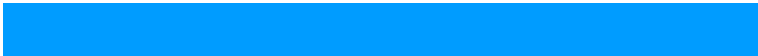
0.9768, 0.7532, 0.0939

Inverse Universe

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



18.2322, 19.0259, 59.8377



29.9794, 31.0787, 99.0265



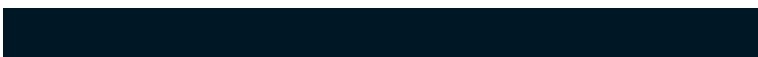
11.2217, 5.0048, 57.5008



11.1643, 11.9690, 14.2922



11.5681, 12.1601, 37.6937



0.6690, 0.7718, 1.9687

Previews

White Background



This preview shows how the XYZ color 27.6978, 18.4293, 2.0974 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 27.6978, 18.4293, 2.0974 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 27.6978, 18.4293, 2.0974

Background



This preview shows how black text looks on a background with the XYZ color 27.6978, 18.4293, 2.0974.



This preview shows how white text looks on a background with the XYZ color 27.6978, 18.4293,

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

27.6978, 18.4293, 2.0974

Protanopia

16.8344, 18.6343, 3.3713

Tritanopia

29.2775, 18.5694, 9.2489

Trichromacy



Original Color

27.6978, 18.4293, 2.0974

Protanomaly

19.6214, 17.6058, 2.7449

Tritanomaly

28.3370, 18.3783, 5.0715

Monochromacy



Original Color

27.6978, 18.4293, 2.0974

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.4734, 14.7175, 7.4414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6978, 18.4293, 2.0974 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, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 79, 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, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.6978, 18.4293, 2.0974 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, 79, 0) }
```

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

```
.border{ border-color:rgb(204, 79, 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, 79, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 79, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 27.6978, 18.4293, 2.0974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 79, 0) }
```

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

```
.background{ background-color: rgb(204, 79,  
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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