

Converting Colors

XYZ(30.1967, 16.0646, 1.7160)

Have a look what the booklet for
XYZ(30.1967, 16.0646, 1.7160)
contains.

XYZ(30.2048, 16.0828, 1.7133)	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(30.2048, 16.0828,
1.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	DD1907
RGB	221, 25, 7
RGB Percent	87%, 10%, 3%
CMY	0.1333, 0.9019, 0.9725
CMYK	0.00, 0.89, 0.97, 0.13
HSL	5°, 94%, 45%
HSV	5°, 97%, 87%
XYZ	30.2048, 16.0828, 1.7133
YIQ	81.5520, 122.5940, 35.9540

Conversions

Conversions Part 2

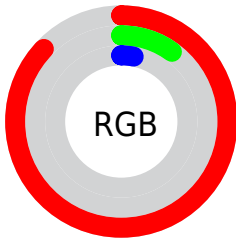
Format	Color
RYB	221, 27, 7
Decimal	14489863
CIELab	47.08, 69.30, 58.65
CIELCh	47, 90.782, 40.242
Yxy	16.0828, 0.6293, 0.3351
Android (android.graphics.Color)	4292679943 (0xFFDD1907)
YUV	81.5520, -36.7541, 122.2959
Hunter-Lab	40.1034, 64.2606, 25.5394

Details

The XYZ color **30.2048, 16.0828, 1.7133** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **34.4879, 47.9640, 75.8464**, and the grayscale version is **7.9872, 8.4031, 9.1510**.

A 20% lighter version of the original color is **46.2385, 29.9520, 7.6192**, and **13.5176, 6.9686, 0.6326** is the 20% darker color. If you saturate the color by 10%, you get **30.0450, 15.8249, 1.4710**, and if you desaturate by 10%, it is **30.9901, 17.3584, 2.8860**.

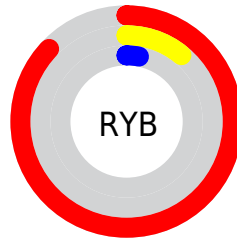
Distribution



Red (87%)

Green (10%)

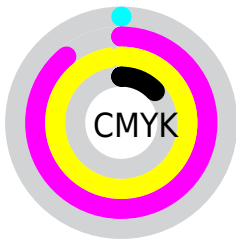
Blue (3%)



Red (87%)

Yellow (11%)

Blue (3%)

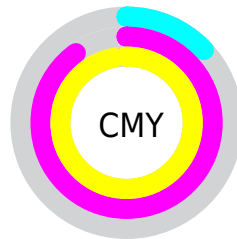


Cyan (0%)

Magenta (89%)

Yellow (97%)

Black (13%)



Cyan (13%)


Magenta (90%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2048, 16.0828, 1.7133 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 30.2048, 16.0828, 1.7133 by changing the saturation by 10% instead.


 30.2048, 16.0828,
1.7133


 30.2048, 16.0828,
1.7133


 294.7506,
229.8298, 117.7529

 20.1429, 9.5828,
0.3698


 59.3703, 36.7419,
8.2410


 12.6079, 5.1232,
0.0000

 79.2047, 51.6697,
14.3762

 7.2342, 2.3197,
0.0000


 103.0272, 70.1756,
22.9836

 3.6566, 0.7841,
0.0000

 131.2034, 92.6440,
34.4817

 1.5098, 0.0000,
0.0000

 164.0984,
119.4592, 49.2892

 0.3325, 0.0000,
0.0000


 202.0777,


 0.0000, 0.0000,


151.0056, 67.8245


0.0000


 245.5067,
187.6677, 90.5063


 30.2048, 16.0828,
1.7133


 30.2048, 16.0828,
1.7133


 30.0450, 15.8249,
1.4710

 30.9901, 17.3584,
2.8860

 32.3399, 19.4516,
5.2052

 34.3384, 22.4716,
8.8832

 37.0544, 26.5096,
14.0859

 40.5478, 31.6459,
20.9553

■ 44.8722, 37.9526,
29.6170

■ 50.0764, 45.4959,
40.1849

■ 56.2055, 54.3367,
52.7630

■ 63.3013, 64.5322,
67.4481

Harmonies

Analogous

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



35.8453, 16.0828, 10.8148



30.2048, 16.0828, 1.7133



21.0682, 16.0828, 0.0000

Triad

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



30.2048, 16.0828, 1.7133



4.9302, 16.0828, 6.4774



18.1733, 16.0828, 105.8078

Complementary

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



30.2048, 16.0828, 1.7133



34.4879, 47.9640, 75.8464

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.



10.6726, 16.0828, 99.6838



30.2048, 16.0828, 1.7133



4.6275, 16.0828, 26.5221

Square

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



30.2048, 16.0828, 1.7133



7.3752, 16.0828, 0.8307



6.3246, 16.0828, 63.8579



27.4639, 16.0828, 76.8366

Rectangle

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



30.2048, 16.0828, 1.7133



15.2217, 16.0828, 0.0000



6.3246, 16.0828, 63.8579



15.3509, 16.0828, 108.1412

Sweetspot

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



30.2051, 16.0838, 1.7135



67.4153, 60.2577, 51.8207



40.6938, 19.8437, 58.2891



13.7622, 11.9304, 9.7358



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.



30.2051, 16.0838, 1.7135



41.5171, 21.8142, 2.0224



38.0855, 31.8446, 4.3403



13.1438, 13.2269, 13.5859



17.4875, 9.2606, 0.8658



1.1642, 0.6625, 0.0665

Inverse Universe

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



34.4879, 47.9640, 75.8464



47.3359, 65.7917, 104.8120



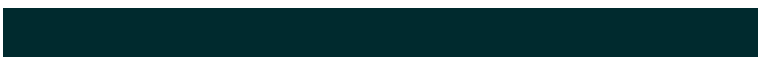
17.3367, 13.6617, 70.1293



13.3462, 14.6321, 16.7730



19.9441, 27.7576, 44.0450



1.3203, 1.8548, 2.8629

Previews

White Background



This preview shows how the XYZ color 30.2048, 16.0828, 1.7133 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



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 30.2048, 16.0828, 1.7133

Background



This preview shows how black text looks on a background with the XYZ color 30.2048, 16.0828, 1.7133.



This preview shows how white text looks on a background with the XYZ color 30.2048, 16.0828,

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

30.2048, 16.0828, 1.7133

Protanopia

14.8793, 16.4110, 3.5458

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

30.2466, 16.0659, 2.0372

Trichromacy



Original Color

30.2048, 16.0828, 1.7133

Protanomaly

17.7757, 13.5161, 2.3814

Deuteranomaly

19.4649, 13.9723, 1.7572

Tritanomaly

30.2181, 16.0545, 1.8869

Monochromacy



Original Color

30.2048, 16.0828, 1.7133

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

12.0312, 8.5999, 4.6403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2048, 16.0828, 1.7133 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(221, 25, 7)` looks like.

```
.text, #text, p{  
    color:rgb(221, 25, 7)  
}
```

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(221, 25, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 25, 7) }
```

Border

The CSS property to change the border of an element to XYZ 30.2048, 16.0828, 1.7133 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(221, 25, 7) }
```


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

```
.border{ border-color:rgb(221, 25, 7) }
```

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

Here you see how a box with a 4 pixel rgb(221, 25, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 25, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 25, 7);  
box-shadow:4px 4px 4px 4px rgb(221, 25, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.2048, 16.0828, 1.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 25, 7) }
```

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

```
.background{ background-color: rgb(221, 25,  
7) }
```

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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