

Converting Colors

XYZ(30.3681, 16.4814, 1.5807)

Have a look what the booklet for
XYZ(30.3681, 16.4814, 1.5807)
contains.

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Color

**XYZ(30.3626, 16.4599,
1.5768)**

Conversions

Conversions Part 1

Format	Color
Hex	DD2100
RGB	221, 33, 0
RGB Percent	87%, 13%, 0%
CMY	0.1333, 0.8705, 1.0000
CMYK	0.00, 0.85, 1.00, 0.13
HSL	9°, 100%, 43%
HSV	9°, 100%, 87%
XYZ	30.3626, 16.4599, 1.5768
YIQ	85.4500, 122.6410, 29.5930

Conversions

Conversions Part 2

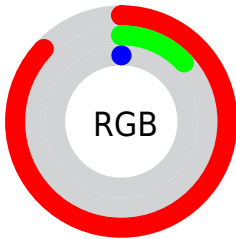
Format	Color
RYB	221, 39, 0
Decimal	14491904
CIELab	47.57, 67.78, 60.86
CIElCh	48, 91.093, 41.920
Yxy	16.4599, 0.6273, 0.3401
Android (android.graphics.Color)	4292681984 (0xFFDD2100)
YUV	85.4500, -42.1268, 118.8774
Hunter-Lab	40.5708, 62.5879, 26.0952

Details

The XYZ color **30.3626, 16.4599, 1.5768** 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 **31.0296, 41.1776, 74.7185**, and the grayscale version is **8.7993, 9.2575, 10.0815**.

A 20% lighter version of the original color is **46.5110, 30.6599, 7.2079**, and **13.5176, 6.9686, 0.6326** is the 20% darker color. If you saturate the color by 10%, you get **30.3629, 16.4609, 1.5770**, and if you desaturate by 10%, it is **31.1842, 17.8703, 2.5699**.

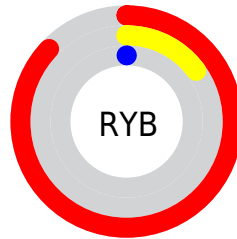
Distribution



Red (87%)

Green (13%)

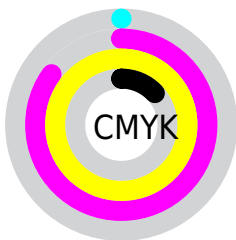
Blue (0%)



Red (87%)

Yellow (15%)

Blue (0%)

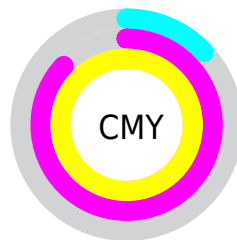


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (87%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3626, 16.4599, 1.5768 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 30.3626, 16.4599, 1.5768 by changing the saturation by 10% instead.


 30.3626, 16.4599,
1.5768


 30.3626, 16.4599,
1.5768


 295.4706,
232.0404, 115.4146

 20.2634, 9.8502,
0.2742


 59.6178, 37.3948,
7.8477


 12.6960, 5.2997,
0.0000


 79.5046, 52.4887,
13.8046

 7.2951, 2.4242,
0.0000


 103.3846, 71.1796,
22.2006

 3.6953, 0.8383,
0.0000

 131.6232, 93.8516,
33.4541

 1.5312, 0.0000,
0.0000

 164.5857,
120.8894, 47.9837

 0.3469, 0.0000,
0.0000


 202.6376,


 0.0000, 0.0000,


152.6771, 66.2080


0.0000


 246.1441,
189.5994, 88.5454


 30.3626, 16.4599,
1.5768


 30.3626, 16.4599,
1.5768


 30.3629, 16.4609,
1.5770

 31.1842, 17.8703,
2.5699

 32.5059, 20.0134,
4.5525

 34.4178, 22.9831,
7.8231

 36.9817, 26.8535,
12.5540

 40.2512, 31.6904,
18.8907

■ 44.2741, 37.5534,
26.9611

■ 49.0941, 44.4972,
36.8801

■ 54.7515, 52.5726,
48.7528

■ 61.2838, 61.8271,
62.6763

Harmonies

Analogous

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



36.4145, 16.4599, 10.1866



30.3626, 16.4599, 1.5768



21.0036, 16.4599, 0.0000

Triad

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



30.3626, 16.4599, 1.5768



5.0061, 16.4599, 7.3236



19.0935, 16.4599, 106.8313

Complementary

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



30.3626, 16.4599, 1.5768



31.0296, 41.1776, 74.7185

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.



11.2848, 16.4599, 102.7968



30.3626, 16.4599, 1.5768



4.8058, 16.4599, 28.8258

Square

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



30.3626, 16.4599, 1.5768



7.3646, 16.4599, 0.9959



6.6701, 16.4599, 67.4180



28.5548, 16.4599, 75.9698

Rectangle

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



30.3626, 16.4599, 1.5768



15.1278, 16.4599, 0.0000



6.6701, 16.4599, 67.4180



16.1731, 16.4599, 109.9460

Sweetspot

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



30.3629, 16.4609, 1.5770



67.7246, 61.2912, 50.6441



39.2812, 19.1571, 51.2254



13.8623, 12.2086, 9.5289



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.



30.3629, 16.4609, 1.5770



41.9364, 22.6527, 2.1621



39.1917, 34.1184, 4.5199



13.2123, 13.3639, 13.6087



17.6896, 9.6647, 0.9331



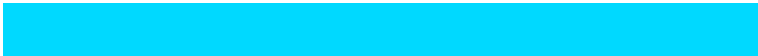
1.1967, 0.7274, 0.0773

Inverse Universe

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



31.0296, 41.1776, 74.7185



42.8368, 56.7935, 103.3123



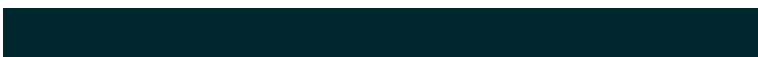
15.9960, 11.1103, 69.7073



13.2705, 14.4807, 16.7478



18.0919, 24.0532, 43.4276



1.2181, 1.6503, 2.8288

Previews

White Background



This preview shows how the XYZ color 30.3626, 16.4599, 1.5768 looks on a white background.

Color Contrast Check

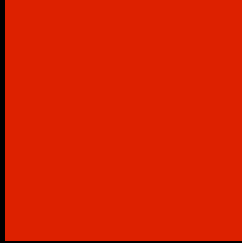
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3626, 16.4599, 1.5768 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 30.3626, 16.4599, 1.5768

Background



This preview shows how black text looks on a background with the XYZ color 30.3626, 16.4599, 1.5768.



This preview shows how white text looks on a background with the XYZ color 30.3626, 16.4599,

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

30.3626, 16.4599, 1.5768

Protanopia

15.1172, 16.7030, 3.4641

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

30.5184, 16.4360, 2.6626

Trichromacy



Original Color

30.3626, 16.4599, 1.5768

Protanomaly

18.2500, 14.2189, 2.3129

Deuteranomaly

19.9557, 14.6555, 1.7770

Tritanomaly

30.4445, 16.4488, 2.1426

Monochromacy



Original Color

30.3626, 16.4599, 1.5768

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

12.4456, 9.2311, 4.6159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3626, 16.4599, 1.5768 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, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 33, 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(221, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 33, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.3626, 16.4599, 1.5768 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, 33, 0) }
```


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

```
.border{ border-color:rgb(221, 33, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 33, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 33, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.3626, 16.4599, 1.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 33, 0) }
```

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

```
.background{ background-color: rgb(221, 33,  
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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