

# Converting Colors

XYZ(30.6011, 16.4832, 1.5687)

Have a look what the booklet for  
XYZ(30.6011, 16.4832, 1.5687)  
contains.

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# Color

**XYZ(30.6142, 16.5096,  
1.5731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE1F00
RGB	222, 31, 0
RGB Percent	87%, 12%, 0%
CMY	0.1294, 0.8783, 1.0000
CMYK	0.00, 0.86, 1.00, 0.13
HSL	8°, 100%, 44%
HSV	8°, 100%, 87%
XYZ	30.6142, 16.5096, 1.5731
YIQ	84.5750, 123.7870, 30.8510

# Conversions

## Conversions Part 2

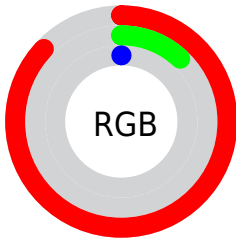
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 36, 0</a>
Decimal	<a href="#">14556928</a>
CIELab	<a href="#">47.64, 68.45, 61.01</a>
CIELCh	<a href="#">48, 91.688, 41.711</a>
Yxy	<a href="#">16.5096, 0.6287, 0.3390</a>
Android (android.graphics.Color)	<a href="#">4292747008 (0xFFDE1F00)</a>
YUV	<a href="#">84.5750, -41.6955, 120.5217</a>
Hunter-Lab	<a href="#">40.6320, 63.3849, 26.1469</a>

# Details

The XYZ color **30.6142, 16.5096, 1.5731** 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 **31.8105, 42.5254, 75.6383**, and the grayscale version is **8.6143, 9.0629, 9.8695**.

A 20% lighter version of the original color is **46.4156, 30.4692, 7.1761**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.6145, 16.5106, 1.5733**, and if you desaturate by 10%, it is **31.4165, 17.8797, 2.5645**.

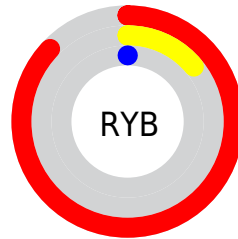
# Distribution



Red (87%)

Green (12%)

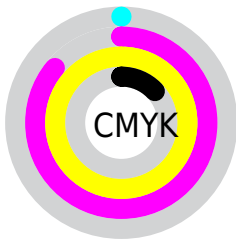
Blue (0%)



Red (87%)

Yellow (14%)

Blue (0%)

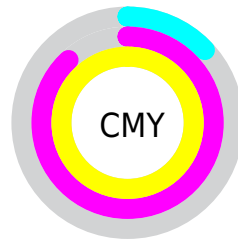


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (88%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6142, 16.5096, 1.5731 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 30.6142, 16.5096, 1.5731 by changing the saturation by 10% instead.




 30.6142, 16.5096,  
1.5731


 30.6142, 16.5096,  
1.5731


 296.6157,  
232.3303, 115.3498


 20.4556, 9.8855,  
0.2715


 60.0121, 37.4807,  
7.8369


 12.8369, 5.3231,  
0.0000


 79.9822, 52.5964,  
13.7889


 7.3925, 2.4381,  
0.0000


 103.9535, 71.3114,  
22.1790

 3.7573, 0.8454,  
0.0000

 132.2914, 94.0102,  
33.4257

 1.5658, 0.0000,  
0.0000

 165.3612,  
121.0771, 47.9476

 0.3699, 0.0000,  
0.0000


 203.5283,


 0.0000, 0.0000,


152.8964, 66.1632


0.0000


 247.1580,  
189.8527, 88.4911


 30.6142, 16.5096,  
1.5731


 30.6142, 16.5096,  
1.5731


 30.6145, 16.5106,  
1.5733

 31.4165, 17.8797,  
2.5645

 32.7277, 19.9975,  
4.5575

 34.6408, 22.9614,  
7.8538

 37.2197, 26.8493,  
12.6280

 40.5196, 31.7300,  
19.0279

■ 44.5902, 37.6659,  
27.1830

■ 49.4763, 44.7141,  
37.2098

■ 55.2196, 52.9275,  
49.2149

■ 61.8587, 62.3559,  
63.2966

# Harmonies

## Analogous

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



36.6939, 16.5096, 10.2929



30.6142, 16.5096, 1.5731



21.1662, 16.5096, 0.0000

# Triad

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



30.6142, 16.5096, 1.5731



4.9912, 16.5096, 7.2181



19.1074, 16.5096, 108.0634

# Complementary

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



30.6142, 16.5096, 1.5731



31.8105, 42.5254, 75.6383

# 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.



11.2536, 16.5096, 103.6980



30.6142, 16.5096, 1.5731



4.7766, 16.5096, 28.7624

# Square

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



30.6142, 16.5096, 1.5731



7.3777, 16.5096, 0.9567



6.6323, 16.5096, 67.7253



28.6634, 16.5096, 76.9714



# Rectangle

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



30.6142, 16.5096, 1.5731



15.2268, 16.5096, 0.0000



6.6323, 16.5096, 67.7253



16.1663, 16.5096, 111.1268

# Sweetspot

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



30.6145, 16.5106, 1.5733



67.5647, 60.9716, 50.5908



39.6827, 19.3530, 51.7455



13.8257, 12.1354, 9.5167



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.



30.6145, 16.5106, 1.5733



41.8599, 22.4997, 2.1366



39.5899, 34.4614, 4.5651



13.8610, 14.0079, 14.2800



18.2321, 9.9020, 0.9503



1.3137, 0.7864, 0.0825

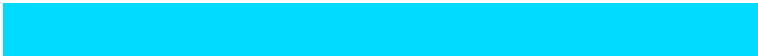


# Inverse Universe

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



31.8105, 42.5254, 75.6383



43.4771, 58.0742, 103.5257



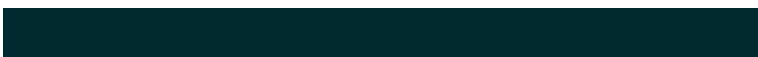
16.1570, 11.2184, 70.4205



13.9447, 15.2286, 17.5921



18.9566, 25.3827, 44.9486



1.3595, 1.8504, 3.1308



# Previews

## White Background



This preview shows how the XYZ color 30.6142, 16.5096, 1.5731 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 30.6142, 16.5096, 1.5731

## Background



This preview shows how black text looks on a background with the XYZ color 30.6142, 16.5096, 1.5731.



This preview shows how white text looks on a background with the XYZ color 30.6142, 16.5096,



# 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

30.6142, 16.5096, 1.5731

### Protanopia

15.1290, 16.7077, 3.5261

### Deuteranopia

16.8642, 16.6544, 2.3258



## Tritanopia

30.7639, 16.5283, 2.4885

# Trichromacy



## Original Color

30.6142, 16.5096, 1.5731

## Protanomaly

18.1798, 14.0657, 2.3290

## Deuteranomaly

19.8819, 14.5080, 1.7524

## Tritanomaly

30.6820, 16.4956, 2.0571

# Monochromacy



## Original Color

30.6142, 16.5096, 1.5731

## Achromatopsia

8.6345, 9.0842, 9.8927

## Achromatomaly

12.5478, 9.1978, 4.6040

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.6142, 16.5096, 1.5731 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(222, 31, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 31, 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(222, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 31, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 30.6142, 16.5096, 1.5731 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(222, 31, 0) }
```



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

```
.border{ border-color:rgb(222, 31, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 31, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 31, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 31, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 31, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 30.6142, 16.5096, 1.5731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 31, 0) }
```

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

```
.background{ background-color: rgb(222, 31,  
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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