

Converting Colors

XYZ(30.6122, 15.7195, 4.2192)

Have a look what the booklet for
XYZ(30.6122, 15.7195, 4.2192)
contains.

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Color

**XYZ(30.6577, 15.7430,
4.2192)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0030
RGB	222, 0, 48
RGB Percent	87%, 0%, 19%
CMY	0.1294, 0.9998, 0.8118
CMYK	0.00, 1.00, 0.78, 0.13
HSL	347°, 100%, 44%
HSV	347°, 100%, 87%
XYZ	30.6577, 15.7430, 4.2192
YIQ	71.8500, 116.9040, 61.9920

Conversions

Conversions Part 2

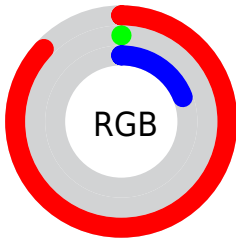
Format	Color
R _Y B	222, 0, 48
Decimal	14549040
CIE Lab	46.64, 72.92, 40.31
CIE LCh	47, 83.323, 28.935
Yxy	15.7430, 0.6056, 0.3110
Android (android.graphics.Color)	4292739120 (0xFFDE0030)
YUV	71.8500, -11.7580, 131.6816
Hunter-Lab	39.6774, 68.4866, 21.4695

Details

The XYZ color **30.6577, 15.7430, 4.2192** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.7666, 55.3004, 48.9645**, and the grayscale version is **6.1442, 6.4641, 7.0394**.

A 20% lighter version of the original color is **46.9165, 29.3805, 13.7879**, and **13.9265, 7.1769, 0.7661** is the 20% darker color. If you saturate the color by 10%, you get **30.6566, 15.7425, 4.2148**, and if you desaturate by 10%, it is **31.3816, 16.4993, 6.5934**.

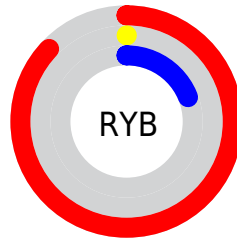
Distribution



Red (87%)

Green (0%)

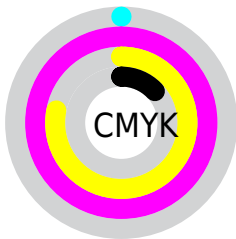
Blue (19%)



Red (87%)

Yellow (0%)

Blue (19%)

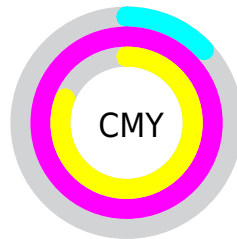


Cyan (0%)

Magenta (100%)

Yellow (78%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6577, 15.7430, 4.2192 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 30.6577, 15.7430, 4.2192 by changing the saturation by 10% instead.


 30.6577, 15.7430,
4.2192


 30.6577, 15.7430,
4.2192


296.8134,
227.8204, 150.6315


 20.4889, 9.3425,
1.7464


 60.0803, 36.1515,
14.5122


 12.8612, 4.9652,
0.3922


 80.0647, 50.9282,
23.1695


 7.4094, 2.2269,
0.0000


 104.0518, 69.2658,
34.7253

 3.7680, 0.7346,
0.0000

 132.4068, 91.5486,
49.5982

 1.5718, 0.0000,
0.0000

 165.4951,
118.1611, 68.2067

 0.3739, 0.0000,
0.0000

 203.6820,

 0.0000, 0.0000,

149.4876, 90.9694

0.0000

247.3330,
185.9126, 118.3048

■ 30.6577, 15.7430,
4.2192

■ 30.6577, 15.7430,
4.2192

■ 30.6566, 15.7425,
4.2148

■ 31.3816, 16.4993,
6.5934

■ 32.5955, 17.9862,
9.8986

■ 34.4210, 20.4267,
14.2391

■ 36.9312, 23.9484,
19.6963

■ 40.1886, 28.6594,
26.3428

■ 44.2483, 34.6543,
34.2450

■ 49.1600, 42.0184,
43.4643

■ 54.9695, 50.8294,
54.0579

■ 61.7193, 61.1593,
66.0794

Harmonies

Analogous

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



33.5289, 15.7430, 17.8895



30.6577, 15.7430, 4.2192



23.3110, 15.7430, 0.6315

Triad

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



30.6577, 15.7430, 4.2192



5.9568, 15.7430, 3.7372



14.7073, 15.7430, 95.2843

Complementary

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



30.6577, 15.7430, 4.2192



33.7666, 55.3004, 48.9645

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.



8.8924, 15.7430, 78.5392



30.6577, 15.7430, 4.2192



4.9461, 15.7430, 16.4146

Square

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



30.6577, 15.7430, 4.2192



9.2114, 15.7430, 0.5233



5.8186, 15.7430, 44.3958



22.7168, 15.7430, 80.5910

Rectangle

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



30.6577, 15.7430, 4.2192



17.7827, 15.7430, 0.0000



5.8186, 15.7430, 44.3958



12.4587, 15.7430, 93.0097

Sweetspot

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



30.6580, 15.7440, 4.2194



67.1134, 57.2415, 59.1571



30.6209, 14.2634, 70.2459



13.7249, 11.2892, 11.4703



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.



30.6580, 15.7440, 4.2194



41.9317, 21.5367, 5.5726



31.8983, 19.0776, 2.0026



13.8278, 13.7488, 14.8635



18.2432, 9.3643, 2.6807



1.2976, 0.6623, 0.3601

Inverse Universe

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



30.6580, 15.7440, 4.2194



41.9317, 21.5367, 5.5726



25.6031, 30.1098, 73.5690



13.8278, 13.7488, 14.8635



18.2432, 9.3643, 2.6807



1.2976, 0.6623, 0.3601

Previews

White Background



This preview shows how the XYZ color 30.6577, 15.7430, 4.2192 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 30.6577, 15.7430, 4.2192 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 30.6577, 15.7430, 4.2192

Background



This preview shows how black text looks on a background with the XYZ color 30.6577, 15.7430, 4.2192.



This preview shows how white text looks on a background with the XYZ color 30.6577, 15.7430,

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

30.6577, 15.7430, 4.2192

Protanopia

15.1672, 16.4422, 8.8528

Deuteranopia

16.5167, 16.2879, 3.7122



Tritanopia

30.1073, 15.8878, 1.6808

Trichromacy



Original Color

30.6577, 15.7430, 4.2192

Protanomaly

17.3721, 12.2855, 6.4568

Deuteranomaly

18.9945, 12.8202, 3.3072

Tritanomaly

30.1075, 15.7179, 2.2061

Monochromacy



Original Color

30.6577, 15.7430, 4.2192

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.6266, 6.8249, 5.4599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6577, 15.7430, 4.2192 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, 0, 48)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 48)  
}
```

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, 0, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 48) }
```

Border

The CSS property to change the border of an element to XYZ 30.6577, 15.7430, 4.2192 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, 0, 48) }
```


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

```
.border{ border-color:rgb(222, 0, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.6577, 15.7430, 4.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 48) }
```

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

```
.background{ background-color: rgb(222, 0,  
48) }
```

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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