

Converting Colors

XYZ(30.5788, 15.7059, 4.0770)

Have a look what the booklet for
XYZ(30.5788, 15.7059, 4.0770)
contains.

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Color

**XYZ(30.6373, 15.7348,
4.1117)**

Conversions

Conversions Part 1

Format	Color
Hex	DE002F
RGB	222, 0, 47
RGB Percent	87%, 0%, 18%
CMY	0.1294, 0.9998, 0.8157
CMYK	0.00, 1.00, 0.79, 0.13
HSL	347°, 100%, 44%
HSV	347°, 100%, 87%
XYZ	30.6373, 15.7348, 4.1117
YIQ	71.7360, 117.2250, 61.6810

Conversions

Conversions Part 2

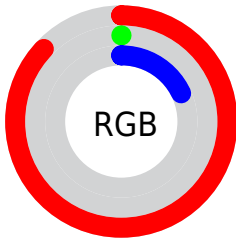
Format	Color
RYB	222, 0, 47
Decimal	14549039
CIELab	46.62, 72.89, 40.87
CIELCh	47, 83.571, 29.281
Yxy	15.7348, 0.6069, 0.3117
Android (android.graphics.Color)	4292739119 (0xFFDE002F)
YUV	71.7360, -12.1948, 131.7815
Hunter-Lab	39.6671, 68.4488, 21.6213

Details

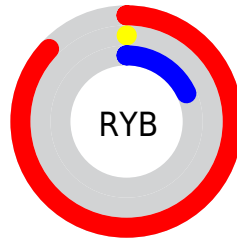
The XYZ color **30.6373, 15.7348, 4.1117** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.8643, 55.3396, 49.4789**, and the grayscale version is **6.1250, 6.4440, 7.0175**.

A 20% lighter version of the original color is **46.8719, 29.3626, 13.5531**, and **13.9156, 7.1725, 0.7084** is the 20% darker color. If you saturate the color by 10%, you get **30.6363, 15.7344, 4.1076**, and if you desaturate by 10%, it is **31.3555, 16.4888, 6.4561**.

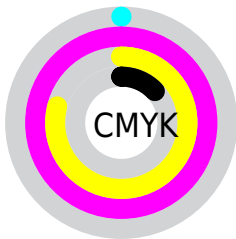
Distribution



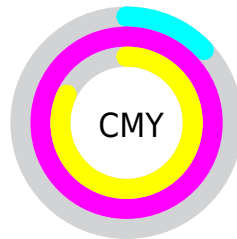
- Red (87%)
- Green (0%)
- Blue (18%)



- Red (87%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6373, 15.7348, 4.1117 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 30.6373, 15.7348, 4.1117 by changing the saturation by 10% instead.


 30.6373, 15.7348,
4.1117


 30.6373, 15.7348,
4.1117


296.7207,
227.7717, 149.4589

 20.4733, 9.3367,
1.6868


 60.0483, 36.1372,
14.2666


 12.8498, 4.9614,
0.3517


 80.0260, 50.9103,
22.8336

 7.4015, 2.2247,
0.0000


 104.0057, 69.2438,
34.2852

 3.7630, 0.7334,
0.0000

 132.3527, 91.5221,
49.0397

 1.5689, 0.0000,
0.0000

 165.4323,
118.1297, 67.5158

 0.3720, 0.0000,
0.0000

 203.6099,

 0.0000, 0.0000,

149.4509, 90.1321

0.0000

247.2509,
185.8701, 117.3069

■ 30.6373, 15.7348,
4.1117

■ 30.6373, 15.7348,
4.1117

■ 30.6363, 15.7344,
4.1076

■ 31.3555, 16.4888,
6.4561

■ 32.5648, 17.9738,
9.7372

■ 34.3870, 20.4129,
14.0608

■ 36.8956, 23.9339,
19.5095

■ 40.1532, 28.6448,
26.1573

■ 44.2150, 34.6405,
34.0716

■ 49.1312, 42.0062,
43.3145

■ 54.9475, 50.8198,
53.9441

■ 61.7066, 61.1533,
66.0149

Harmonies

Analogous

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



33.5883, 15.7348, 17.6363



30.6373, 15.7348, 4.1117



23.2323, 15.7348, 0.5973

Triad

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



30.6373, 15.7348, 4.1117



5.9103, 15.7348, 3.7869



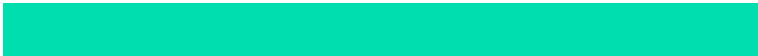
14.7819, 15.7348, 95.6381

Complementary

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



30.6373, 15.7348, 4.1117



33.8643, 55.3396, 49.4789

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.



8.9229, 15.7348, 79.1351



30.6373, 15.7348, 4.1117



4.9221, 15.7348, 16.6384

Square

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



30.6373, 15.7348, 4.1117



9.1385, 15.7348, 0.5240



5.8170, 15.7348, 44.8846



22.8299, 15.7348, 80.5269

Rectangle

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



30.6373, 15.7348, 4.1117



17.6905, 15.7348, 0.0000



5.8170, 15.7348, 44.8846



12.5179, 15.7348, 93.4802

Sweetspot

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



30.6376, 15.7358, 4.1119



67.0746, 57.2259, 58.9524



30.6208, 14.2633, 70.2460



13.7160, 11.2856, 11.4232



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.



30.6376, 15.7358, 4.1119



41.9045, 21.5258, 5.4293



31.8982, 19.0774, 2.0025



13.8253, 13.7477, 14.8501



18.2306, 9.3592, 2.6141



1.2964, 0.6618, 0.3537

Inverse Universe

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



30.6376, 15.7358, 4.1119



41.9045, 21.5258, 5.4293



25.6030, 30.1095, 73.5691



13.8253, 13.7477, 14.8501



18.2306, 9.3592, 2.6141



1.2964, 0.6618, 0.3537

Previews

White Background



This preview shows how the XYZ color 30.6373, 15.7348, 4.1117 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 30.6373, 15.7348, 4.1117 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 30.6373, 15.7348, 4.1117

Background



This preview shows how black text looks on a background with the XYZ color 30.6373, 15.7348, 4.1117.



This preview shows how white text looks on a background with the XYZ color 30.6373, 15.7348,

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

30.6373, 15.7348, 4.1117

Protanopia

14.9899, 16.1938, 8.4666

Deuteranopia

16.5029, 16.2824, 3.6395



Tritanopia

30.1018, 15.8856, 1.6520

Trichromacy



Original Color

30.6373, 15.7348, 4.1117

Protanomaly

17.2510, 12.1345, 6.1356

Deuteranomaly

18.9786, 12.8139, 3.2233

Tritanomaly

30.0981, 15.7141, 2.1563

Monochromacy



Original Color

30.6373, 15.7348, 4.1117

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 30.6373, 15.7348, 4.1117 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 30.6373, 15.7348, 4.1117 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, 47) }
```


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

```
.border{ border-color:rgb(222, 0, 47) }
```

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, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.6373, 15.7348, 4.1117 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, 47) }
```

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

```
.background{ background-color: rgb(222, 0,  
47) }
```

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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