

Converting Colors

XYZ(30.3759, 15.5608, 5.8747)

Have a look what the booklet for
XYZ(30.3759, 15.5608, 5.8747)
contains.

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Color

**XYZ(30.3575, 15.5526,
5.8168)**

Conversions

Conversions Part 1

Format	Color
Hex	DC003D
RGB	220, 0, 61
RGB Percent	86%, 0%, 24%
CMY	0.1373, 0.9998, 0.7608
CMYK	0.00, 1.00, 0.72, 0.14
HSL	343°, 100%, 43%
HSV	343°, 100%, 86%
XYZ	30.3575, 15.5526, 5.8168
YIQ	72.7340, 111.5390, 65.6110

Conversions

Conversions Part 2

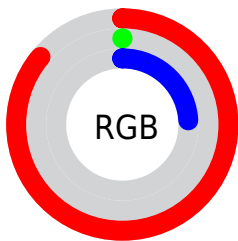
Format	Color
RYB	220, 0, 61
Decimal	14417981
CIELab	46.38, 72.89, 32.23
CIELCh	46, 79.699, 23.853
Yxy	15.5526, 0.5869, 0.3007
Android (android.graphics.Color)	4292608061 (0xFFDC003D)
YUV	72.7340, -5.7849, 129.1523
Hunter-Lab	39.4368, 68.3907, 18.8607

Details

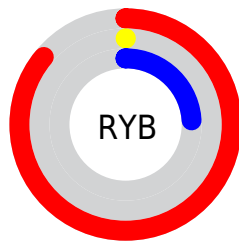
The XYZ color **30.3575, 15.5526, 5.8168** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.8561, 53.6913, 41.5087**, and the grayscale version is **6.2876, 6.6150, 7.2038**.

A 20% lighter version of the original color is **47.6029, 29.6550, 17.4024**, and **13.8366, 7.1184, 1.3065** is the 20% darker color. If you saturate the color by 10%, you get **30.3563, 15.5520, 5.8115**, and if you desaturate by 10%, it is **31.1390, 16.3258, 8.5134**.

Distribution



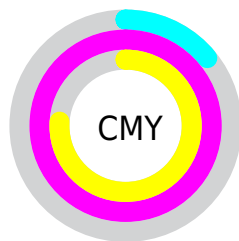
- Red (86%)
- Green (0%)
- Blue (24%)



- Red (86%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3575, 15.5526, 5.8168 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 30.3575, 15.5526, 5.8168 by changing the saturation by 10% instead.


 30.3575, 15.5526,
5.8168


 30.3575, 15.5526,
5.8168


295.4473,
226.6870, 166.6737


 20.2595, 9.2081,
2.6670


 59.6098, 35.8197,
18.0205


 12.6932, 4.8772,
0.9268


 79.4949, 50.5112,
27.9115

 7.2932, 2.1754,
0.0000


 103.3731, 68.7537,
40.8867

 3.6941, 0.7065,
0.0000

 131.6096, 90.9318,
57.3645

 1.5306, 0.0000,
0.0000

 164.5700,
117.4298, 77.7636

 0.3465, 0.0000,
0.0000

 202.6195,

 0.0000, 0.0000,

148.6320, 102.5025

0.0000

246.1235,
184.9230, 131.9997

■ 30.3575, 15.5526,
5.8168

■ 30.3575, 15.5526,
5.8168

■ 30.3563, 15.5520,
5.8115

■ 31.1390, 16.3258,
8.5134

■ 32.3849, 17.8077,
12.0416

■ 34.2110, 20.2159,
16.4856

■ 36.6861, 23.6743,
21.9093

■ 39.8685, 28.2873,
28.3706

■ 43.8098, 34.1467,
35.9222

■ 48.5568, 41.3349,
44.6132

■ 54.1523, 49.9272,
54.4896

■ 60.6359, 59.9933,
65.5946

Harmonies

Analogous

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



32.0811, 15.5526, 21.2931



30.3575, 15.5526, 5.8168



23.9702, 15.5526, 1.0971

Triad

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



30.3575, 15.5526, 5.8168



6.5057, 15.5526, 3.0206



13.4191, 15.5526, 88.7104

Complementary

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



30.3575, 15.5526, 5.8168



31.8561, 53.6913, 41.5087

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.



8.3055, 15.5526, 69.1509



30.3575, 15.5526, 5.8168



5.1864, 15.5526, 13.2147

Square

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



30.3575, 15.5526, 5.8168



10.0783, 15.5526, 0.4948



5.7249, 15.5526, 37.1754



20.7605, 15.5526, 79.9682

Rectangle

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



30.3575, 15.5526, 5.8168



18.7473, 15.5526, 0.2386



5.7249, 15.5526, 37.1754



11.4199, 15.5526, 84.9388

Sweetspot

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



30.3579, 15.5536, 5.8170



67.6502, 57.4562, 61.9836



26.9566, 12.4052, 68.6833



13.8490, 11.3388, 12.1236



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.



30.3579, 15.5536, 5.8170



42.3665, 21.7106, 7.8620



30.5603, 17.3057, 1.7311



13.2036, 13.1105, 14.3333



17.8567, 9.1437, 3.6254



1.1931, 0.6069, 0.4256

Inverse Universe

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



30.3579, 15.5536, 5.8170



42.3665, 21.7106, 7.8620



27.7369, 34.8038, 72.9655



13.2036, 13.1105, 14.3333



17.8567, 9.1437, 3.6254



1.1931, 0.6069, 0.4256

Previews

White Background



This preview shows how the XYZ color 30.3575, 15.5526, 5.8168 looks on a white background.

Color Contrast Check

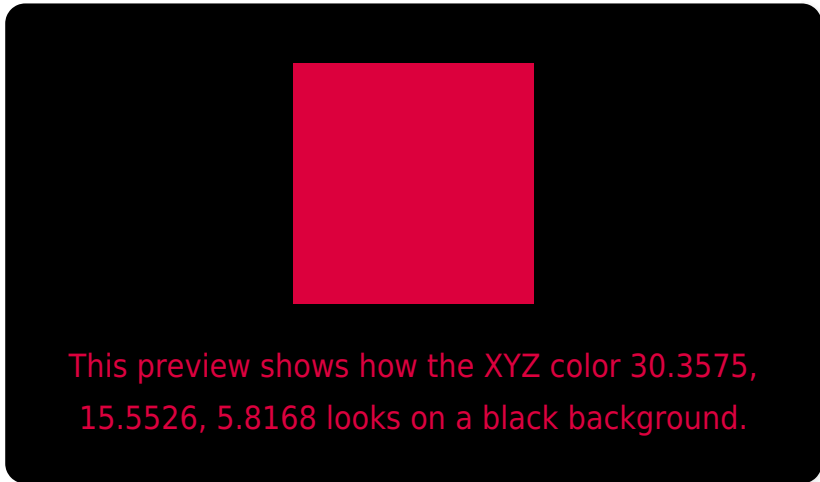
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3575, 15.5526, 5.8168

Background



This preview shows how black text looks on a background with the XYZ color 30.3575, 15.5526, 5.8168.



This preview shows how white text looks on a background with the XYZ color 30.3575, 15.5526,

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

30.3575, 15.5526, 5.8168

Protanopia

15.2902, 16.2656, 12.2312

Deuteranopia

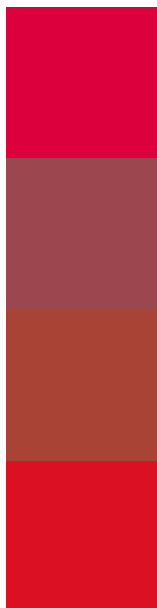
16.3772, 16.0273, 5.2480



Tritanopia

29.6786, 15.8023, 2.1020

Trichromacy



Original Color

30.3575, 15.5526, 5.8168

Protanomaly

17.4115, 12.1536, 9.0176

Deuteranomaly

18.8215, 12.6055, 4.9311

Tritanomaly

29.6874, 15.5461, 2.9494

Monochromacy



Original Color

30.3575, 15.5526, 5.8168

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.6554, 6.8193, 6.3849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3575, 15.5526, 5.8168 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(220, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 61)  
}
```

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(220, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 61) }
```

Border

The CSS property to change the border of an element to XYZ 30.3575, 15.5526, 5.8168 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(220, 0, 61) }
```


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

```
.border{ border-color:rgb(220, 0, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 0, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(220, 0, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.3575, 15.5526, 5.8168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 61) }
```

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

```
.background{ background-color: rgb(220, 0,  
61) }
```

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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