

Converting Colors

XYZ(30.5466, 16.0195, 5.7478)

Have a look what the booklet for
XYZ(30.5466, 16.0195, 5.7478)
contains.

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Color

**XYZ(30.5810, 16.0422,
5.7596)**

Conversions

Conversions Part 1

Format	Color
Hex	DC143C
RGB	220, 20, 60
RGB Percent	86%, 8%, 24%
CMY	0.1373, 0.9214, 0.7647
CMYK	0.00, 0.91, 0.73, 0.14
HSL	348°, 83%, 47%
HSV	348°, 91%, 86%
XYZ	30.5810, 16.0422, 5.7596
YIQ	84.3600, 106.3600, 54.8400

Conversions

Conversions Part 2

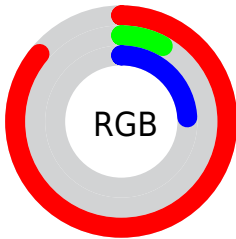
Format	Color
RYB	220, 20, 60
Decimal	14423100
CIELab	47.03, 70.94, 33.59
CIElCh	47, 78.489, 25.342
Yxy	16.0422, 0.5838, 0.3062
Android (android.graphics.Color)	4292613180 (0xFFDC143C)
YUV	84.3600, -12.0095, 118.9563
Hunter-Lab	40.0527, 66.1958, 19.5110

Details

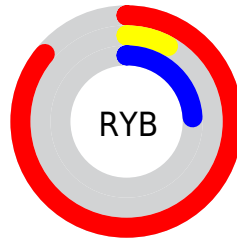
The XYZ color **30.5810, 16.0422, 5.7596** is a dark color, and the websafe version is hex **CC0033**, and the color name is **crimson**. The color can be described as dark washed red. A complement of this color would be **34.1234, 54.6317, 51.9425**, and the grayscale version is **8.5132, 8.9565, 9.7537**.

A 20% lighter version of the original color is **47.9861, 30.5060, 17.2690**, and **13.8278, 7.1149, 1.2606** is the 20% darker color. If you saturate the color by 10%, you get **29.9692, 15.3972, 3.7727**, and if you desaturate by 10%, it is **31.7050, 17.4180, 8.8243**.

Distribution



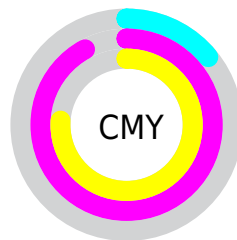
- Red (86%)
- Green (8%)
- Blue (24%)



- Red (86%)
- Yellow (8%)
- Blue (24%)



- Cyan (0%)
- Magenta (91%)
- Yellow (73%)
- Black (14%)





- Cyan (14%)
- Magenta (92%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5810, 16.0422, 5.7596 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 30.5810, 16.0422, 5.7596 by changing the saturation by 10% instead.


 30.5810, 16.0422,
5.7596


 30.5810, 16.0422,
5.7596

296.4648,
229.5906, 166.1369


 20.4303, 9.5540,
2.6330


 59.9601, 36.6715,
17.8988


 12.8183, 5.1043,
0.9094


 79.9192, 51.5813,
27.7486

 7.3797, 2.3086,
0.0000


 103.8785, 70.0672,
40.6764

 3.7491, 0.7782,
0.0000

 132.2033, 92.5135,
57.1010

 1.5612, 0.0000,
0.0000

 165.2590,
119.3046, 77.4408

 0.3669, 0.0000,
0.0000

 203.4109,

 0.0000, 0.0000,

150.8248, 102.1144

0.0000

247.0244,
187.4587, 131.5402

■ 30.5810, 16.0422,
5.7596

■ 30.5810, 16.0422,
5.7596

■ 29.9692, 15.3972,
3.7727

■ 31.7050, 17.4180,
8.8243

■ 33.4251, 19.7158,
12.9193

■ 35.8151, 23.0639,
18.1303

■ 38.9377, 27.5699,
24.5332

■ 42.8481, 33.3274,
32.1970

■ 47.5959, 40.4210,
41.1854

■ 53.2270, 48.9274,
51.5577

■ 59.7834, 58.9177,
63.3694

■ 67.3047, 70.4582,
76.6732

Harmonies

Analogous

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



32.5760, 16.0422, 20.7245



30.5810, 16.0422, 5.7596



24.0651, 16.0422, 1.1681

Triad

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



30.5810, 16.0422, 5.7596



6.7559, 16.0422, 3.5741



14.1994, 16.0422, 88.8610

Complementary

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



30.5810, 16.0422, 5.7596



34.1234, 54.6317, 51.9425

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.



8.8995, 16.0422, 70.7572



30.5810, 16.0422, 5.7596



5.5047, 16.0422, 14.5705

Square

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



30.5810, 16.0422, 5.7596



10.2618, 16.0422, 0.7096



6.1512, 16.0422, 39.1907



21.6323, 16.0422, 78.8582

Rectangle

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



30.5810, 16.0422, 5.7596



18.8421, 16.0422, 0.3601



6.1512, 16.0422, 39.1907



12.1421, 16.0422, 85.6272

Sweetspot

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



30.5814, 16.0432, 5.7598



69.2455, 60.6071, 62.6382



31.9926, 15.3727, 68.9908



14.2700, 12.1420, 12.3835



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.



30.5814, 16.0432, 5.7598



41.8369, 21.4987, 5.0730



32.5118, 21.0066, 3.0044



13.1619, 13.0939, 14.1139



17.6205, 9.0492, 2.3817



1.1725, 0.5986, 0.3172

Inverse Universe

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



30.5814, 16.0432, 5.7598



41.8369, 21.4987, 5.0730



25.7797, 30.4610, 72.2306



13.1619, 13.0939, 14.1139



17.6205, 9.0492, 2.3817



1.1725, 0.5986, 0.3172

Previews

White Background



This preview shows how the XYZ color 30.5810, 16.0422, 5.7596 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 30.5810, 16.0422, 5.7596

Background



This preview shows how black text looks on a background with the XYZ color 30.5810, 16.0422, 5.7596.



This preview shows how white text looks on a background with the XYZ color 30.5810, 16.0422,

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

30.5810, 16.0422, 5.7596

Protanopia

15.4540, 16.5246, 11.8262

Deuteranopia

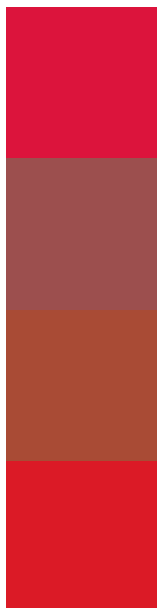
16.6273, 16.3126, 5.1780



Tritanopia

29.8641, 16.0632, 2.5038

Trichromacy



Original Color

30.5810, 16.0422, 5.7596

Protanomaly

17.8814, 13.2099, 8.8150

Deuteranomaly

19.5209, 13.7242, 4.9883

Tritanomaly

29.9327, 15.9388, 3.3326

Monochromacy



Original Color

30.5810, 16.0422, 5.7596

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.6116, 8.8320, 7.6967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5810, 16.0422, 5.7596 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, 20, 60)` looks like.

```
.text, #text, p{  
    color:rgb(220, 20, 60)  
}
```

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, 20, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 20, 60) }
```

Border

The CSS property to change the border of an element to XYZ 30.5810, 16.0422, 5.7596 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, 20, 60) }
```


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

```
.border{ border-color:rgb(220, 20, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 20, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 20, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 20, 60);  
box-shadow:4px 4px 4px 4px rgb(220, 20,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5810, 16.0422, 5.7596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 20, 60) }
```

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

```
.background{ background-color: rgb(220, 20,  
60) }
```

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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