

Converting Colors

XYZ(30.1241, 15.5242, 1.6489)

Have a look what the booklet for
XYZ(30.1241, 15.5242, 1.6489)
contains.

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Color

**XYZ(30.1680, 15.5471,
1.6406)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0008
RGB	222, 0, 8
RGB Percent	87%, 0%, 3%
CMY	0.1294, 0.9998, 0.9686
CMYK	0.00, 1.00, 0.96, 0.13
HSL	358°, 100%, 44%
HSV	358°, 100%, 87%
XYZ	30.1680, 15.5471, 1.6406
YIQ	67.2900, 129.7440, 49.5520

Conversions

Conversions Part 2

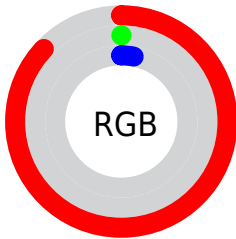
Format	Color
RYB	222, 0, 8
Decimal	14549000
CIELab	46.37, 72.21, 58.14
CIElCh	46, 92.710, 38.841
Yxy	15.5471, 0.6371, 0.3283
Android (android.graphics.Color)	4292739080 (0xFFDE0008)
YUV	67.2900, -29.2300, 135.6807
Hunter-Lab	39.4298, 67.5693, 25.1339

Details

The XYZ color **30.1680, 15.5471, 1.6406** 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 **38.2656, 57.1000, 72.6558**, and the grayscale version is **5.4160, 5.6980, 6.2052**.

A 20% lighter version of the original color is **45.6280, 28.7310, 7.4157**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.1675, 15.5469, 1.6392**, and if you desaturate by 10%, it is **30.6425, 16.2037, 2.7015**.

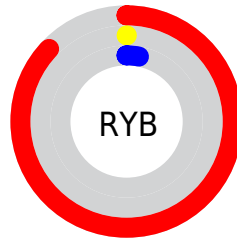
Distribution



Red (87%)

Green (0%)

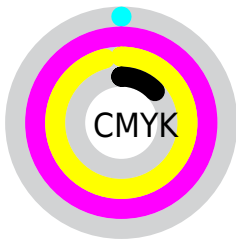
Blue (3%)



Red (87%)

Yellow (0%)

Blue (3%)

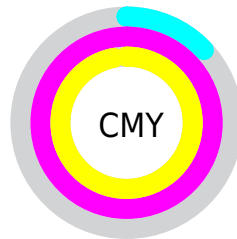


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1680, 15.5471, 1.6406 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 30.1680, 15.5471, 1.6406 by changing the saturation by 10% instead.


 30.1680, 15.5471,
1.6406

 30.1680, 15.5471,
1.6406


 294.5825,
226.6542, 116.5198


 20.1148, 9.2042,
0.3195


 59.3126, 35.8101,
8.0327


 12.5873, 4.8746,
0.0000


 79.1347, 50.4991,
14.0738

 7.2200, 2.1739,
0.0000


 102.9438, 68.7389,
22.5697

 3.6476, 0.7057,
0.0000

 131.1054, 90.9140,
33.9389

 1.5048, 0.0000,
0.0000

 163.9847,
117.4086, 48.6000


 0.3291, 0.0000,
0.0000


 201.9471,


 0.0000, 0.0000,


148.6073, 66.9715


0.0000


 245.3579,
184.8943, 89.4719


 30.1680, 15.5471,
1.6406


 30.1680, 15.5471,
1.6406

 30.1675, 15.5469,
1.6392

 30.6425, 16.2037,
2.7015

 31.6349, 17.6020,
4.8403

 33.2872, 19.9731,
8.2686

 35.6873, 23.4508,
13.1461

 38.9099, 28.1478,
19.6095

■ 43.0204, 34.1631,
27.7797

■ 48.0778, 41.5854,
37.7659

■ 54.1358, 50.4958,
49.6682

■ 61.2444, 60.9691,
63.5793

Harmonies

Analogous

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



35.6136, 15.5471, 11.0515



30.1680, 15.5471, 1.6406



21.0102, 15.5471, 0.0000

Triad

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



30.1680, 15.5471, 1.6406



4.6140, 15.5471, 5.5328



17.2533, 15.5471, 107.5020

Complementary

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



30.1680, 15.5471, 1.6406



38.2656, 57.1000, 72.6558

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.



9.9175, 15.5471, 99.3779



30.1680, 15.5471, 1.6406



4.2342, 15.5471, 24.5879

Square

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



30.1680, 15.5471, 1.6406



7.1137, 15.5471, 0.5415



5.7820, 15.5471, 61.9060



26.5872, 15.5471, 79.0495

Rectangle

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



30.1680, 15.5471, 1.6406



15.0884, 15.5471, 0.0000



5.7820, 15.5471, 61.9060



14.4700, 15.5471, 109.2647

Sweetspot

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



30.1683, 15.5481, 1.6408



65.6252, 56.6462, 51.3204



40.0211, 19.1094, 70.6857



13.3851, 11.1533, 9.6804



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.



30.1683, 15.5481, 1.6408



41.2900, 21.2800, 2.1935



34.6745, 24.6301, 2.9280



13.7270, 13.7084, 14.3328



17.9277, 9.2381, 1.0192



1.2498, 0.6432, 0.1081

Inverse Universe

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



30.1683, 15.5481, 1.6408



41.2900, 21.2800, 2.1935



20.1599, 19.2234, 71.7546



13.7270, 13.7084, 14.3328



17.9277, 9.2381, 1.0192



1.2498, 0.6432, 0.1081

Previews

White Background



This preview shows how the XYZ color 30.1680, 15.5471, 1.6406 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 30.1680, 15.5471, 1.6406

Background



This preview shows how black text looks on a background with the XYZ color 30.1680, 15.5471, 1.6406.



This preview shows how white text looks on a background with the XYZ color 30.1680, 15.5471,

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

30.1680, 15.5471, 1.6406

Protanopia

14.6327, 16.1177, 3.5681

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

29.7834, 15.7520, 1.4707

Trichromacy



Original Color

30.1680, 15.5471, 1.6406

Protanomaly

17.0960, 12.1415, 2.2015

Deuteranomaly

18.6012, 12.5669, 1.5314

Tritanomaly

29.9792, 15.6666, 1.5300

Monochromacy



Original Color

30.1680, 15.5471, 1.6406

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.5254, 6.1360, 3.2671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1680, 15.5471, 1.6406 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 8) }
```

Border

The CSS property to change the border of an element to XYZ 30.1680, 15.5471, 1.6406 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, 8) }
```


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

```
.border{ border-color:rgb(222, 0, 8) }
```

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, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(222, 0, 8); box-shadow:4px  
4px 4px 4px rgb(222, 0, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1680, 15.5471, 1.6406 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, 8) }
```

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

```
.background{ background-color: rgb(222, 0,  
8) }
```

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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