

Converting Colors

XYZ(30.1630, 15.5398, 1.8538)

Have a look what the booklet for
XYZ(30.1630, 15.5398, 1.8538)
contains.

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Color

**XYZ(30.2104, 15.5641,
1.8638)**

Conversions

Conversions Part 1

Format	Color
Hex	DE000F
RGB	222, 0, 15
RGB Percent	87%, 0%, 6%
CMY	0.1294, 0.9998, 0.9412
CMYK	0.00, 1.00, 0.93, 0.13
HSL	356°, 100%, 44%
HSV	356°, 100%, 87%
XYZ	30.2104, 15.5641, 1.8638
YIQ	68.0880, 127.4970, 51.7290

Conversions

Conversions Part 2

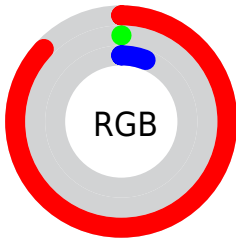
Format	Color
R_{YB}	222, 0, 15
Decimal	14549007
CIE Lab	46.40, 72.27, 56.04
CIE LCh	46, 91.452, 37.789
Yxy	15.5641, 0.6342, 0.3267
Android (android.graphics.Color)	4292739087 (0xFFDE000F)
YUV	68.0880, -26.1724, 134.9808
Hunter-Lab	39.4514, 67.6488, 24.8149

Details

The XYZ color **30.2104, 15.5641, 1.8638** 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 **37.3907, 56.7500, 68.0487**, and the grayscale version is **5.5397, 5.8282, 6.3470**.

A 20% lighter version of the original color is **45.7378, 28.7749, 7.9940**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.2098, 15.5638, 1.8619**, and if you desaturate by 10%, it is **30.7296, 16.2386, 3.1602**.

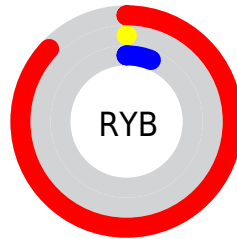
Distribution



Red (87%)

Green (0%)

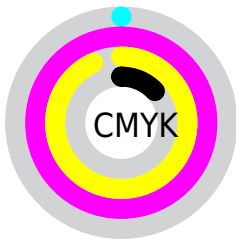
Blue (6%)



Red (87%)

Yellow (0%)

Blue (6%)

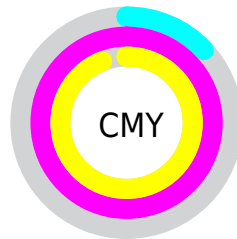


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2104, 15.5641, 1.8638 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 30.2104, 15.5641, 1.8638 by changing the saturation by 10% instead.


 30.2104, 15.5641,
1.8638


 30.2104, 15.5641,
1.8638


294.7762,
226.7556, 120.2247


 20.1472, 9.2162,
0.4696


 59.3791, 35.8398,
8.6650


 12.6110, 4.8825,
0.0000


 79.2153, 50.5364,
14.9888


 7.2364, 2.1785,
0.0000


 103.0399, 68.7847,
23.8195

 3.6580, 0.7082,
0.0000

 131.2183, 90.9691,
35.5755

 1.5105, 0.0000,
0.0000

 164.1157,
117.4740, 50.6756


 0.3330, 0.0000,
0.0000


 202.0976,


 0.0000, 0.0000,


148.6838, 69.5381


0.0000


 245.5293,
184.9829, 92.5816


 30.2104, 15.5641,
1.8638


 30.2104, 15.5641,
1.8638


 30.2098, 15.5638,
1.8619

 30.7296, 16.2386,
3.1602

 31.7655, 17.6543,
5.5275

 33.4541, 20.0401,
9.1473

 35.8802, 23.5283,
14.1609

 39.1154, 28.2305,
20.6908

■ 43.2231, 34.2447,
28.8458

■ 48.2602, 41.6590,
38.7250

■ 54.2789, 50.5537,
50.4193

■ 61.3273, 61.0032,
64.0134

Harmonies

Analogous

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



35.3470, 15.5641, 11.7385



30.2104, 15.5641, 1.8638



21.2624, 15.5641, 0.0000

Triad

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



30.2104, 15.5641, 1.8638



4.7590, 15.5641, 5.2970



16.9340, 15.5641, 105.9540

Complementary

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



30.2104, 15.5641, 1.8638



37.3907, 56.7500, 68.0487

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.



9.7906, 15.5641, 96.7065



30.2104, 15.5641, 1.8638



4.3133, 15.5641, 23.5043

Square

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



30.2104, 15.5641, 1.8638



7.3393, 15.5641, 0.5399



5.7852, 15.5641, 59.6176



26.1003, 15.5641, 79.1828

Rectangle

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



30.2104, 15.5641, 1.8638



15.3831, 15.5641, 0.0000



5.7852, 15.5641, 59.6176



14.2186, 15.5641, 107.2028

Sweetspot

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



30.2107, 15.5651, 1.8640



65.8753, 56.7462, 52.6372



37.9513, 18.0424, 70.5889



13.4417, 11.1759, 9.9788



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.



30.2107, 15.5651, 1.8640



41.3425, 21.3010, 2.4699



33.9975, 23.2762, 2.7024



13.7445, 13.7154, 14.4247



17.9586, 9.2505, 1.1820



1.2581, 0.6465, 0.1522

Inverse Universe

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



30.2107, 15.5651, 1.8640



41.3425, 21.3010, 2.4699



21.1045, 21.1126, 72.0694



13.7445, 13.7154, 14.4247



17.9586, 9.2505, 1.1820



1.2581, 0.6465, 0.1522

Previews

White Background



This preview shows how the XYZ color 30.2104, 15.5641, 1.8638 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 30.2104, 15.5641, 1.8638

Background



This preview shows how black text looks on a background with the XYZ color 30.2104, 15.5641, 1.8638.



This preview shows how white text looks on a background with the XYZ color 30.2104, 15.5641,

1.8638.

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

30.2104, 15.5641, 1.8638

Protanopia

14.7017, 16.1453, 3.9316

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

29.7654, 15.7160, 1.4647

Trichromacy



Original Color

30.2104, 15.5641, 1.8638

Protanomaly

17.1608, 12.1674, 2.5427

Deuteranomaly

18.6121, 12.5713, 1.5891

Tritanomaly

29.9901, 15.6710, 1.5877

Monochromacy



Original Color

30.2104, 15.5641, 1.8638

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.7304, 6.2346, 3.5963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2104, 15.5641, 1.8638 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 15) }
```

Border

The CSS property to change the border of an element to XYZ 30.2104, 15.5641, 1.8638 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, 15) }
```


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

```
.border{ border-color:rgb(222, 0, 15) }
```

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, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.2104, 15.5641, 1.8638 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, 15) }
```

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

```
.background{ background-color: rgb(222, 0,  
15) }
```

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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