

Converting Colors

XYZ(30.4888, 15.7028, 2.0916)

Have a look what the booklet for
XYZ(30.4888, 15.7028, 2.0916)
contains.

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Color

**XYZ(30.5577, 15.7385,
2.0891)**

Conversions

Conversions Part 1

Format	Color
Hex	DF0014
RGB	223, 0, 20
RGB Percent	87%, 0%, 8%
CMY	0.1255, 0.9998, 0.9216
CMYK	0.00, 1.00, 0.91, 0.13
HSL	355°, 100%, 44%
HSV	355°, 100%, 87%
XYZ	30.5577, 15.7385, 2.0891
YIQ	68.9570, 126.4880, 53.4960

Conversions

Conversions Part 2

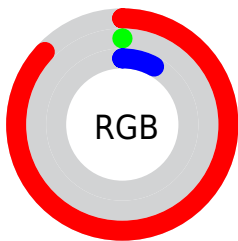
Format	Color
RYB	223, 0, 20
Decimal	14614548
CIELab	46.63, 72.57, 54.44
CIElCh	47, 90.723, 36.874
Yxy	15.7385, 0.6315, 0.3253
Android (android.graphics.Color)	4292804628 (0xFFDF0014)
YUV	68.9570, -24.1358, 135.0957
Hunter-Lab	39.6718, 68.0663, 24.6481

Details

The XYZ color **30.5577, 15.7385, 2.0891** 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 **37.1738, 57.0895, 65.5923**, and the grayscale version is **5.6780, 5.9737, 6.5054**.

A 20% lighter version of the original color is **45.9396, 28.9897, 8.6431**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **30.5570, 15.7382, 2.0868**, and if you desaturate by 10%, it is **31.1131, 16.4306, 3.5664**.

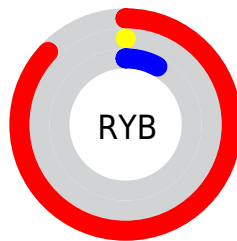
Distribution



Red (87%)

Green (0%)

Blue (8%)



Red (87%)

Yellow (0%)

Blue (8%)

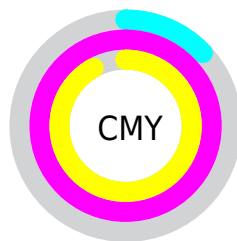


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5577, 15.7385, 2.0891 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 30.5577, 15.7385, 2.0891 by changing the saturation by 10% instead.


 30.5577, 15.7385,
2.0891


 30.5577, 15.7385,
2.0891


296.3588,
227.7937, 123.7453


 20.4125, 9.3393,
0.6093


 59.9236, 36.1436,
9.2830


 12.8052, 4.9632,
0.0000


 79.8750, 50.9183,
15.8759


 7.3706, 2.2257,
0.0000


 103.8259, 69.2537,
25.0242

 3.7433, 0.7339,
0.0000

 132.1415, 91.5341,
37.1464

 1.5580, 0.0000,
0.0000

 165.1872,
118.1439, 52.6611

 0.3648, 0.0000,
0.0000


 203.3284,


 0.0000, 0.0000,


149.4675, 71.9868


0.0000


 246.9305,
185.8893, 95.5420


 30.5577, 15.7385,
2.0891


 30.5577, 15.7385,
2.0891


 30.5570, 15.7382,
2.0868

 31.1131, 16.4306,
3.5664

 32.1882, 17.8710,
6.1130

 33.9176, 20.2894,
9.8965

 36.3844, 23.8187,
15.0482

 39.6596, 28.5712,
21.6827

■ 43.8056, 34.6453,
29.9023

■ 48.8788, 42.1295,
39.8004

■ 54.9307, 51.1047,
51.4629

■ 62.0091, 61.6455,
64.9701

Harmonies

Analogous

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



35.4837, 15.7385, 12.4691



30.5577, 15.7385, 2.0891



21.6985, 15.7385, 0.0000

Triad

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



30.5577, 15.7385, 2.0891



4.9342, 15.7385, 5.1546



16.8378, 15.7385, 105.7338

Complementary

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



30.5577, 15.7385, 2.0891



37.1738, 57.0895, 65.5923

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.



9.7831, 15.7385, 95.4552



30.5577, 15.7385, 2.0891



4.4259, 15.7385, 22.8438

Square

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



30.5577, 15.7385, 2.0891



7.6113, 15.7385, 0.5468



5.8471, 15.7385, 58.3179



25.9567, 15.7385, 80.1137

Rectangle

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



30.5577, 15.7385, 2.0891



15.7964, 15.7385, 0.0000



5.8471, 15.7385, 58.3179



14.1516, 15.7385, 106.5644

Sweetspot

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



30.5580, 15.7395, 2.0893



66.0535, 56.8175, 53.5754



37.3278, 17.7054, 71.2616



13.4822, 11.1921, 10.1920



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.



30.5580, 15.7395, 2.0893



41.3928, 21.3211, 2.7347



34.0232, 22.8713, 2.6229



13.7568, 13.7203, 14.4894



17.9848, 9.2609, 1.3198



1.2640, 0.6489, 0.1831

Inverse Universe

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



30.5580, 15.7395, 2.0893



41.3928, 21.3211, 2.7347



21.8202, 22.3287, 72.9713



13.7568, 13.7203, 14.4894



17.9848, 9.2609, 1.3198



1.2640, 0.6489, 0.1831

Previews

White Background



This preview shows how the XYZ color 30.5577, 15.7385, 2.0891 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 30.5577, 15.7385, 2.0891

Background



This preview shows how black text looks on a background with the XYZ color 30.5577, 15.7385, 2.0891.



This preview shows how white text looks on a background with the XYZ color 30.5577, 15.7385,

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

30.5577, 15.7385, 2.0891

Protanopia

14.8923, 16.3991, 4.3879

Deuteranopia

16.4130, 16.2662, 2.2746



Tritanopia

30.0689, 15.8725, 1.4789

Trichromacy



Original Color

30.5577, 15.7385, 2.0891

Protanomaly

17.2898, 12.3216, 2.9059

Deuteranomaly

18.9001, 12.8075, 1.6770

Tritanomaly

30.3065, 15.8328, 1.6597

Monochromacy



Original Color

30.5577, 15.7385, 2.0891

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.9557, 6.4004, 3.8426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5577, 15.7385, 2.0891 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(223, 0, 20)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 20)  
}
```

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(223, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 20) }
```

Border

The CSS property to change the border of an element to XYZ 30.5577, 15.7385, 2.0891 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(223, 0, 20) }
```


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

```
.border{ border-color:rgb(223, 0, 20) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(223, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.5577, 15.7385, 2.0891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 20) }
```

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

```
.background{ background-color: rgb(223, 0,  
20) }
```

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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