

Converting Colors

XYZ(31.7662, 20.9099, 5.1916)

Have a look what the booklet for
XYZ(31.7662, 20.9099, 5.1916)
contains.

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Color

**XYZ(31.6511, 20.8470,
5.1520)**

Conversions

Conversions Part 1

Format	Color
Hex	D75330
RGB	215, 83, 48
RGB Percent	84%, 33%, 19%
CMY	0.1569, 0.6745, 0.8118
CMYK	0.00, 0.61, 0.78, 0.16
HSL	13°, 68%, 52%
HSV	13°, 78%, 84%
XYZ	31.6511, 20.8470, 5.1520
YIQ	118.4780, 89.9070, 17.0990

Conversions

Conversions Part 2

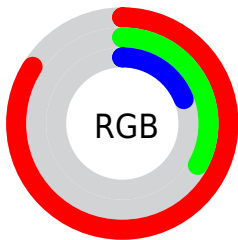
Format	Color
R_{YB}	215, 92, 48
Decimal	14111536
CIE _{Lab}	52.78, 50.09, 46.25
CIE _{LCh}	53, 68.180, 42.716
Yxy	20.8470, 0.5490, 0.3616
Android (android.graphics.Color)	4292301616 (0xFFD75330)
YUV	118.4780, -34.7457, 84.6498
Hunter-Lab	45.6585, 43.8362, 25.2708

Details

The XYZ color **31.6511, 20.8470, 5.1520** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **29.8043, 38.1741, 70.0870**, and the grayscale version is **17.4569, 18.3660, 20.0006**.

A 20% lighter version of the original color is **52.2970, 39.9958, 16.0299**, and **13.4845, 7.4676, 0.7307** is the 20% darker color. If you saturate the color by 10%, you get **30.1654, 18.4221, 2.9728**, and if you desaturate by 10%, it is **33.6713, 23.9975, 8.5695**.

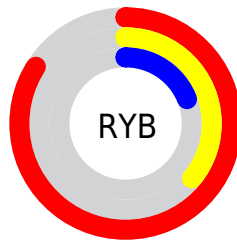
Distribution



Red (84%)

Green (33%)

Blue (19%)



Red (84%)

Yellow (36%)

Blue (19%)

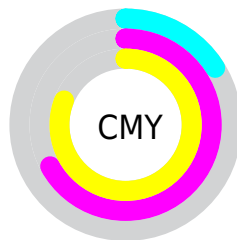


Cyan (0%)

Magenta (61%)

Yellow (78%)

Black (16%)



Cyan (16%)


Magenta (67%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6511, 20.8470, 5.1520 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 31.6511, 20.8470, 5.1520 by changing the saturation by 10% instead.


 31.6511, 20.8470,
5.1520


 31.6511, 20.8470,
5.1520


301.3004,
256.4643, 160.2787


 21.2494, 13.0122,
2.2764


 61.6326, 44.8328,
16.5898

 13.4199, 7.4370,
0.7180


 81.9431, 61.7525,
25.9891


 7.7973, 3.7368,
0.0000


 106.2873, 82.4694,
38.4001

 4.0162, 1.5275,
0.0000

 135.0305,
107.3678, 54.2413

 1.7113, 0.3079,
0.0000

 168.5380,
136.8321, 73.9312

 0.4633, 0.0000,
0.0000

 207.1753,

 0.0000, 0.0000,

171.2466, 97.8884

0.0000

251.3077,
210.9959, 126.5314

■ 31.6511, 20.8470,
5.1520

■ 31.6511, 20.8470,
5.1520

■ 30.1654, 18.4221,
2.9728

■ 33.6713, 23.9975,
8.5695

■ 29.1508, 16.6564,
1.8222


■ 36.2732, 27.9236,
13.3758


■ 28.9652, 16.3290,
1.6252


■ 39.5001, 32.6747,
19.7009


■ 43.3907, 38.2952,
27.6594

■ 47.9804, 44.8258,
37.3548

 53.3020, 52.3052,
48.8821

 59.3861, 60.7694,
62.3292

 66.2616, 70.2525,
77.7785

 73.9560, 80.7873,
95.3074

Harmonies

Analogous

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



36.3646, 20.8470, 15.1259



31.6511, 20.8470, 5.1520



24.1599, 20.8470, 2.0827

Triad

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



31.6511, 20.8470, 5.1520



9.4180, 20.8470, 12.9405



22.9783, 20.8470, 86.3116

Complementary

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



31.6511, 20.8470, 5.1520



29.8043, 38.1741, 70.0870

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.



16.0240, 20.8470, 84.3585



31.6511, 20.8470, 5.1520



9.2472, 20.8470, 32.4529

Square

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



31.6511, 20.8470, 5.1520



11.9125, 20.8470, 4.3737



11.3720, 20.8470, 60.9615



30.6097, 20.8470, 65.3258

Rectangle

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



31.6511, 20.8470, 5.1520



19.1738, 20.8470, 1.7513



11.3720, 20.8470, 60.9615



20.4692, 20.8470, 88.5630

Sweetspot

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



31.6516, 20.8482, 5.1523



73.9571, 70.6882, 62.1799



37.4833, 19.9219, 45.9091



15.2389, 14.2972, 12.0359



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.



31.6516, 20.8482, 5.1523



43.3887, 25.3847, 3.1788



41.9948, 41.5346, 8.6001



12.6321, 12.8384, 12.9730



17.3872, 9.8916, 0.9929



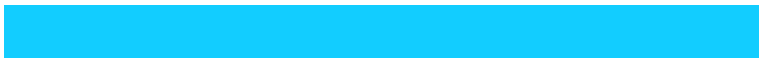
1.1096, 0.7185, 0.0802

Inverse Universe

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



29.8043, 38.1741, 70.0870



40.1968, 51.1473, 102.3616



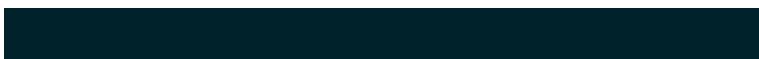
17.8618, 14.2889, 66.1061



12.5609, 13.6453, 15.9093



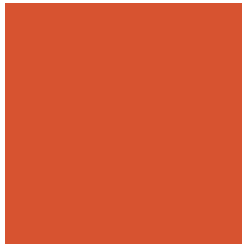
16.0053, 20.2724, 41.5225



1.0221, 1.3361, 2.5233

Previews

White Background



This preview shows how the XYZ color 31.6511, 20.8470, 5.1520 looks on a white 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

Black Background



This preview shows how the XYZ color 31.6511, 20.8470, 5.1520 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6511, 20.8470, 5.1520

Background



This preview shows how black text looks on a background with the XYZ color 31.6511, 20.8470, 5.1520.



This preview shows how white text looks on a background with the XYZ color 31.6511, 20.8470,

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

31.6511, 20.8470, 5.1520

Protanopia

19.2469, 21.0911, 7.4715

Deuteranopia

21.3644, 20.9438, 4.7503



Tritanopia

32.7151, 20.8310, 10.6840

Trichromacy



Original Color

31.6511, 20.8470, 5.1520

Protanomaly

22.3346, 19.8699, 6.3995

Deuteranomaly

24.2660, 20.2663, 4.8233

Tritanomaly

32.3249, 20.7912, 8.2706

Monochromacy



Original Color

31.6511, 20.8470, 5.1520

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.1642, 17.6658, 12.7030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6511, 20.8470, 5.1520 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(215, 83, 48)` looks like.

```
.text, #text, p{  
    color:rgb(215, 83, 48)  
}
```

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(215, 83, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 83, 48) }
```

Border

The CSS property to change the border of an element to XYZ 31.6511, 20.8470, 5.1520 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(215, 83, 48) }
```


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

```
.border{ border-color:rgb(215, 83, 48) }
```

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

Here you see how a box with a 4 pixel rgb(215, 83, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 83, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 83, 48);  
box-shadow:4px 4px 4px 4px rgb(215, 83,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6511, 20.8470, 5.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 83, 48) }
```

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

```
.background{ background-color: rgb(215, 83,  
48) }
```

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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