

Converting Colors

XYZ(31.7180, 20.9532, 5.2088)

Have a look what the booklet for
XYZ(31.7180, 20.9532, 5.2088)
contains.

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Color

**XYZ(31.7282, 21.0011,
5.1777)**

Conversions

Conversions Part 1

Format	Color
Hex	D75430
RGB	215, 84, 48
RGB Percent	84%, 33%, 19%
CMY	0.1569, 0.6706, 0.8118
CMYK	0.00, 0.61, 0.78, 0.16
HSL	13°, 68%, 52%
HSV	13°, 78%, 84%
XYZ	31.7282, 21.0011, 5.1777
YIQ	119.0650, 89.6320, 16.5760

Conversions

Conversions Part 2

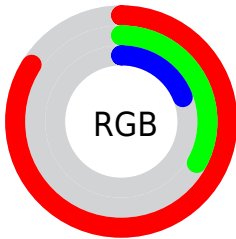
Format	Color
RYB	215, 94, 48
Decimal	14111792
CIELab	52.95, 49.65, 46.42
CIElCh	53, 67.969, 43.078
Yxy	21.0011, 0.5479, 0.3627
Android (android.graphics.Color)	4292301872 (0xFFD75430)
YUV	119.0650, -35.0350, 84.1350
Hunter-Lab	45.8270, 43.3869, 25.3801

Details

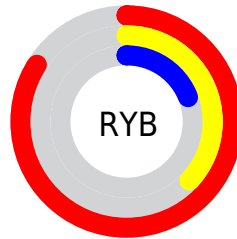
The XYZ color **31.7282, 21.0011, 5.1777** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **29.6034, 37.7721, 70.0202**, and the grayscale version is **17.6436, 18.5624, 20.2145**.

A 20% lighter version of the original color is **52.4861, 40.3000, 16.3216**, and **13.5288, 7.5562, 0.7454** is the 20% darker color. If you saturate the color by 10%, you get **30.2320, 18.5553, 2.9951**, and if you desaturate by 10%, it is **33.7553, 24.1655, 8.5975**.

Distribution



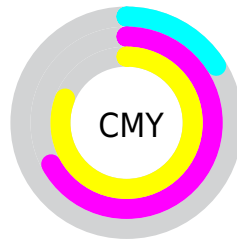
- Red (84%)
- Green (33%)
- Blue (19%)



- Red (84%)
- Yellow (37%)
- 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 31.7282, 21.0011, 5.1777 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 31.7282, 21.0011, 5.1777 by changing the saturation by 10% instead.


 31.7282, 21.0011,
5.1777


 31.7282, 21.0011,
5.1777


301.6466,
257.2843, 160.5327


 21.3085, 13.1248,
2.2913


 61.7528, 45.0894,
16.6458


 13.4635, 7.5145,
0.7264


 82.0885, 62.0701,
26.0647

 7.8276, 3.7859,
0.0000


 106.4602, 82.8545,
38.4981

 4.0357, 1.5545,
0.0000

 135.2332,
107.8269, 54.3646

 1.7224, 0.3267,
0.0000

 168.7731,
137.3717, 74.0828

 0.4702, 0.0000,
0.0000

 207.4450,

 0.0000, 0.0000,

171.8732, 98.0712

0.0000

251.6144,
211.7160, 126.7483

■ 31.7282, 21.0011,
5.1777

■ 31.7282, 21.0011,
5.1777

■ 30.2320, 18.5553,
2.9951

■ 33.7553, 24.1655,
8.5975

■ 29.2042, 16.7631,
1.8400

■ 36.3601, 28.0973,
13.4048

■ 29.0152, 16.4289,
1.6418

■ 39.5852, 32.8449,
19.7294

■ 43.4690, 38.4516,
27.6856

■ 48.0464, 44.9576,
37.3769

■ 53.3497, 52.4006,
48.8981

■ 59.4094, 60.8159,
62.3371

■ 66.2540, 70.2371,
77.7762

■ 73.9106, 80.6963,
95.2926

Harmonies

Analogous

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



36.4930, 21.0011, 15.0905



31.7282, 21.0011, 5.1777



24.2184, 21.0011, 2.1259

Triad

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



31.7282, 21.0011, 5.1777



9.5165, 21.0011, 13.2447



23.2228, 21.0011, 86.2971

Complementary

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



31.7282, 21.0011, 5.1777



29.6034, 37.7721, 70.0202

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.



16.2341, 21.0011, 84.6567



31.7282, 21.0011, 5.1777



9.3721, 21.0011, 32.9389

Square

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



31.7282, 21.0011, 5.1777



11.9923, 21.0011, 4.5168



11.5356, 21.0011, 61.4765



30.8515, 21.0011, 65.1447

Rectangle

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



31.7282, 21.0011, 5.1777



19.2346, 21.0011, 1.8064



11.5356, 21.0011, 61.4765



20.7052, 21.0011, 88.6467

Sweetspot

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



31.7287, 21.0023, 5.1780



74.0431, 70.8602, 62.2086



37.4834, 19.9219, 45.9092



15.2592, 14.3379, 12.0427



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.



31.7287, 21.0023, 5.1780



43.4750, 25.5572, 3.2075



41.9949, 41.5347, 8.6001



12.6382, 12.8505, 12.9750



17.4184, 9.9541, 1.0033



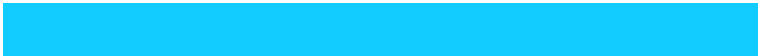
1.1124, 0.7241, 0.0811

Inverse Universe

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



29.6034, 37.7721, 70.0202



39.8582, 50.4702, 102.2487



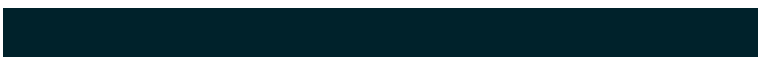
17.8618, 14.2890, 66.1063



12.5544, 13.6322, 15.9071



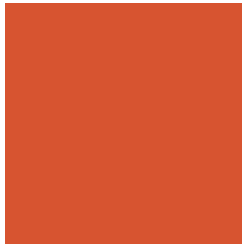
15.8633, 19.9884, 41.4752



1.0146, 1.3212, 2.5209

Previews

White Background



This preview shows how the XYZ color 31.7282, 21.0011, 5.1777 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 31.7282, 21.0011, 5.1777 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 31.7282, 21.0011, 5.1777

Background



This preview shows how black text looks on a background with the XYZ color 31.7282, 21.0011, 5.1777.



This preview shows how white text looks on a background with the XYZ color 31.7282, 21.0011,

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

31.7282, 21.0011, 5.1777

Protanopia

19.3895, 21.1677, 7.3388

Deuteranopia

21.4853, 21.1856, 4.7906



Tritanopia

32.8273, 20.9921, 10.9160

Trichromacy



Original Color

31.7282, 21.0011, 5.1777

Protanomaly

22.5467, 19.9792, 6.4094

Deuteranomaly

24.3709, 20.4760, 4.8583

Tritanomaly

32.4310, 20.9517, 8.4657

Monochromacy



Original Color

31.7282, 21.0011, 5.1777

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.4562, 17.9684, 12.7460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7282, 21.0011, 5.1777 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, 84, 48)` looks like.

```
.text, #text, p{  
    color:rgb(215, 84, 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, 84, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 84, 48) }
```

Border

The CSS property to change the border of an element to XYZ 31.7282, 21.0011, 5.1777 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, 84, 48) }
```


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

```
.border{ border-color:rgb(215, 84, 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, 84, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 84, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 84, 48);  
box-shadow:4px 4px 4px 4px rgb(215, 84,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7282, 21.0011, 5.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 84, 48) }
```

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

```
.background{ background-color: rgb(215, 84,  
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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