

Converting Colors

XYZ(31.8263, 20.7336, 5.2084)

Have a look what the booklet for
XYZ(31.8263, 20.7336, 5.2084)
contains.

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Color

**XYZ(31.8157, 20.7055,
5.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	D85131
RGB	216, 81, 49
RGB Percent	85%, 32%, 19%
CMY	0.1529, 0.6823, 0.8078
CMYK	0.00, 0.62, 0.77, 0.15
HSL	11°, 68%, 52%
HSV	11°, 77%, 85%
XYZ	31.8157, 20.7055, 5.2254
YIQ	117.7170, 90.7320, 18.6680

Conversions

Conversions Part 2

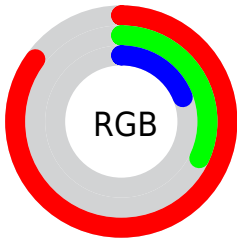
Format	Color
R_{YB}	216, 89, 49
Decimal	14176561
CIE _{Lab}	52.63, 51.37, 45.64
CIE _{LCh}	53, 68.713, 41.622
Yxy	20.7055, 0.5510, 0.3586
Android (android.graphics.Color)	4292366641 (0xFFD85131)
YUV	117.7170, -33.8775, 86.1942
Hunter-Lab	45.5033, 45.1756, 25.0437

Details

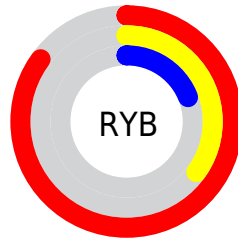
The XYZ color **31.8157, 20.7055, 5.2254** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **30.8001, 39.8885, 71.0412**, and the grayscale version is **17.2149, 18.1114, 19.7233**.

A 20% lighter version of the original color is **52.0616, 39.4510, 16.1801**, and **13.6001, 7.4085, 0.7419** is the 20% darker color. If you saturate the color by 10%, you get **30.3292, 18.2959, 2.9943**, and if you desaturate by 10%, it is **33.8549, 23.8719, 8.7177**.

Distribution



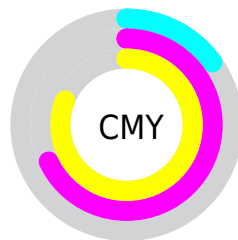
- Red (85%)
- Green (32%)
- Blue (19%)



- Red (85%)
- Yellow (35%)
- Blue (19%)



- Cyan (0%)
- Magenta (62%)
- Yellow (77%)
- Black (15%)





- Cyan (15%)
- Magenta (68%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8157, 20.7055, 5.2254 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 31.8157, 20.7055, 5.2254 by changing the saturation by 10% instead.


 31.8157, 20.7055,
5.2254

 31.8157, 20.7055,
5.2254


302.0391,
255.7092, 161.0025

 21.3756, 12.9089,
2.3191


 61.8892, 44.5969,
16.7496

 13.5129, 7.3658,
0.7419


 82.2533, 61.4605,
26.2046

 7.8621, 3.6919,
0.0000


 106.6562, 82.1152,
38.6795

 4.0579, 1.5028,
0.0000

 135.4632,
106.9454, 54.5929

 1.7349, 0.2907,
0.0000

 169.0396,
136.3355, 74.3634

 0.4780, 0.0000,
0.0000

 207.7508,

 0.0000, 0.0000,

170.6699, 98.4095

0.0000

251.9622,
210.3330, 127.1496

■ 31.8157, 20.7055,
5.2254

■ 31.8157, 20.7055,
5.2254

■ 30.3292, 18.2959,
2.9943

■ 33.8549, 23.8719,
8.7177

■ 29.3309, 16.5724,
1.8195


■ 36.4964, 27.8493,
13.6232

■ 29.1255, 16.2124,
1.5942


■ 39.7855, 32.6908,
20.0732


■ 43.7624, 38.4439,
28.1838

■ 48.4642, 45.1525,
38.0596

 53.9252, 52.8577,
49.7967

 60.1775, 61.5983,
63.4845

 67.2511, 71.4107,
79.2063

 75.1748, 82.3298,
97.0405

Harmonies

Analogous

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



36.4019, 20.7055, 15.5218



31.8157, 20.7055, 5.2254



24.3285, 20.7055, 2.0391

Triad

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



31.8157, 20.7055, 5.2254



9.3231, 20.7055, 12.2900



22.5741, 20.7055, 87.0513

Complementary

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



31.8157, 20.7055, 5.2254



30.8001, 39.8885, 71.0412

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.



15.6648, 20.7055, 84.1357



31.8157, 20.7055, 5.2254



9.0712, 20.7055, 31.4190

Square

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



31.8157, 20.7055, 5.2254



11.9038, 20.7055, 4.0851



11.1049, 20.7055, 59.9906



30.2672, 20.7055, 66.4982

Rectangle

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



31.8157, 20.7055, 5.2254



19.2944, 20.7055, 1.6643



11.1049, 20.7055, 59.9906



20.0707, 20.7055, 89.0090

Sweetspot

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



31.8162, 20.7067, 5.2257



73.7000, 70.1740, 62.0942



38.2145, 20.3145, 48.0182



15.1781, 14.1758, 12.0157



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.



31.8162, 20.7067, 5.2257



43.1423, 24.8918, 3.0966



41.9910, 41.0564, 8.6173



12.6140, 12.8022, 12.9669



17.2987, 9.7147, 0.9634



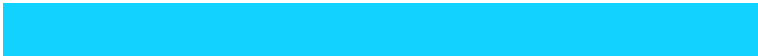
1.1012, 0.7016, 0.0774

Inverse Universe

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



30.8001, 39.8885, 71.0412



41.2316, 53.2171, 102.7065



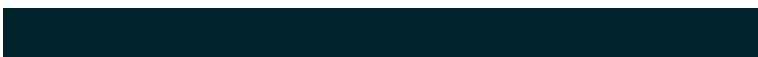
18.4012, 15.0907, 66.9083



12.5805, 13.6844, 15.9158



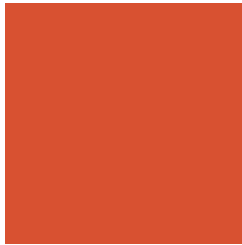
16.4399, 21.1415, 41.6674



1.0447, 1.3815, 2.5309

Previews

White Background



This preview shows how the XYZ color 31.8157, 20.7055, 5.2254 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 31.8157, 20.7055, 5.2254 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 31.8157, 20.7055, 5.2254

Background



This preview shows how black text looks on a background with the XYZ color 31.8157, 20.7055, 5.2254.



This preview shows how white text looks on a background with the XYZ color 31.8157, 20.7055,

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

31.8157, 20.7055, 5.2254

Protanopia

19.1456, 20.8450, 7.5718

Deuteranopia

21.1832, 20.8485, 4.8271



Tritanopia

32.7921, 20.6687, 10.2438

Trichromacy



Original Color

31.8157, 20.7055, 5.2254

Protanomaly

22.4629, 19.7721, 6.5034

Deuteranomaly

24.1805, 20.0662, 4.8842

Tritanomaly

32.4452, 20.6427, 8.0687

Monochromacy



Original Color

31.8157, 20.7055, 5.2254

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.3538, 17.7635, 12.7119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8157, 20.7055, 5.2254 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(216, 81, 49)` looks like.

```
.text, #text, p{  
    color:rgb(216, 81, 49)  
}
```

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(216, 81, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 81, 49) }
```

Border

The CSS property to change the border of an element to XYZ 31.8157, 20.7055, 5.2254 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(216, 81, 49) }
```


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

```
.border{ border-color:rgb(216, 81, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 81, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 81, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 81, 49);  
box-shadow:4px 4px 4px 4px rgb(216, 81,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8157, 20.7055, 5.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 81, 49) }
```

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

```
.background{ background-color: rgb(216, 81,  
49) }
```

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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