

Converting Colors

XYZ(31.3854, 20.4154, 3.3233)

Have a look what the booklet for
XYZ(31.3854, 20.4154, 3.3233)
contains.

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Color

**XYZ(31.3854, 20.4154,
3.3233)**

Conversions

Conversions Part 1

Format	Color
Hex	D8501B
RGB	216, 80, 27
RGB Percent	85%, 31%, 11%
CMY	0.1529, 0.6862, 0.8941
CMYK	0.00, 0.63, 0.87, 0.15
HSL	17°, 78%, 48%
HSV	17°, 87%, 85%
XYZ	31.3854, 20.4154, 3.3233
YIQ	114.6220, 98.0690, 12.3490

Conversions

Conversions Part 2

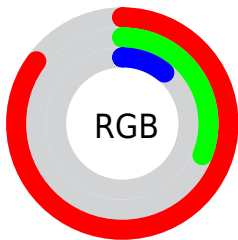
Format	Color
RYB	216, 101, 27
Decimal	14176283
CIELab	52.30, 51.18, 55.26
CIElCh	52, 75.323, 47.195
Yxy	20.4154, 0.5694, 0.3704
Android (android.graphics.Color)	4292366363 (0xFFD8501B)
YUV	114.6220, -43.1976, 88.9085
Hunter-Lab	45.1834, 44.9191, 27.2675

Details

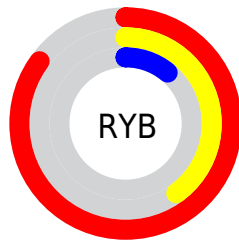
The XYZ color **31.3854, 20.4154, 3.3233** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **25.9425, 31.3826, 69.6554**, and the grayscale version is **16.2880, 17.1362, 18.6614**.

A 20% lighter version of the original color is **51.1402, 38.8603, 12.0131**, and **13.3870, 7.2726, 0.6982** is the 20% darker color. If you saturate the color by 10%, you get **30.2081, 18.3303, 2.1011**, and if you desaturate by 10%, it is **33.0067, 23.1012, 5.5812**.

Distribution



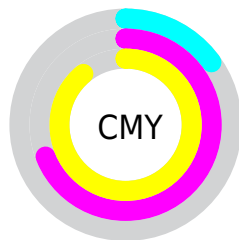
- Red (85%)
- Green (31%)
- Blue (11%)



- Red (85%)
- Yellow (40%)
- Blue (11%)



- Cyan (0%)
- Magenta (63%)
- Yellow (87%)
- Black (15%)





- Cyan (15%)
- Magenta (69%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3854, 20.4154, 3.3233 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 31.3854, 20.4154, 3.3233 by changing the saturation by 10% instead.


 31.3854, 20.4154,
3.3233


 31.3854, 20.4154,
3.3233


300.1052,
254.1551, 140.3774

 21.0458, 12.6974,
1.2620


 61.2181, 44.1125,
12.4163

 13.2701, 7.2205,
0.0303


 81.4418, 60.8604,
20.2851


 7.6931, 3.6004,
0.0000


 105.6909, 81.3871,
30.9267

 3.9493, 1.4526,
0.0000

 134.3308,
106.0768, 44.7598

 1.6735, 0.2550,
0.0000

 167.7269,
135.3141, 62.2029

 0.4396, 0.0000,
0.0000

 206.2444,

 0.0000, 0.0000,

169.4833, 83.6745

0.0000

250.2487,
208.9689, 109.5932

31.3854, 20.4154,
3.3233

31.3854, 20.4154,
3.3233

30.2081, 18.3303,
2.1011

33.0067, 23.1012,
5.5812

29.9651, 17.8916,
1.8741

35.1251, 26.4327,
9.0786

37.7841, 30.4526,
13.9664

41.0213, 35.1988,
20.3737

44.8709, 40.7060,
28.4144

■ 49.3641, 47.0067,
38.1918

■ 54.5300, 54.1316,
49.8001

■ 60.3957, 62.1093,
63.3272

■ 66.9868, 70.9675,
78.8550

Harmonies

Analogous

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



37.3922, 20.4154, 11.8535



31.3854, 20.4154, 3.3233



22.8957, 20.4154, 1.1845

Triad

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



31.3854, 20.4154, 3.3233



8.2033, 20.4154, 14.0524



24.1484, 20.4154, 92.9426

Complementary

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



31.3854, 20.4154, 3.3233



25.9425, 31.3826, 69.6554

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.



16.2871, 20.4154, 95.1548



31.3854, 20.4154, 3.3233



8.3707, 20.4154, 37.3728

Square

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



31.3854, 20.4154, 3.3233



10.4002, 20.4154, 4.0175



10.9416, 20.4154, 70.5037



32.5102, 20.4154, 65.6327

Rectangle

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



31.3854, 20.4154, 3.3233



17.5980, 20.4154, 1.0848



10.9416, 20.4154, 70.5037



21.3300, 20.4154, 97.0786

Sweetspot

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



31.3858, 20.4166, 3.3236



72.7771, 69.6897, 57.5892



35.5569, 18.1213, 37.5080



15.0550, 14.1898, 11.1725



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.



31.3858, 20.4166, 3.3236



43.5263, 25.8327, 2.6921



43.2500, 44.1449, 7.2783



12.7040, 12.9822, 12.9970



17.8155, 10.7482, 1.1356



1.1444, 0.7880, 0.0918

Inverse Universe

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



25.9425, 31.3826, 69.6554



35.0831, 41.2861, 100.7277



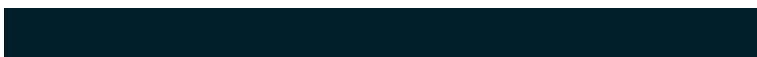
15.1063, 9.7103, 66.0433



12.4841, 13.4917, 15.8837



14.4110, 17.0838, 40.9911



0.9375, 1.1670, 2.4952

Previews

White Background



This preview shows how the XYZ color 31.3854, 20.4154, 3.3233 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 31.3854, 20.4154, 3.3233 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 31.3854, 20.4154, 3.3233

Background



This preview shows how black text looks on a background with the XYZ color 31.3854, 20.4154, 3.3233.



This preview shows how white text looks on a background with the XYZ color 31.3854, 20.4154,

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

31.3854, 20.4154, 3.3233

Protanopia

18.6259, 20.6371, 4.8354

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

32.8408, 20.5021, 9.6235

Trichromacy



Original Color

31.3854, 20.4154, 3.3233

Protanomaly

21.9058, 19.3776, 4.0991

Deuteranomaly

23.6968, 19.7088, 2.8424

Tritanomaly

32.0848, 20.3857, 6.5187

Monochromacy



Original Color

31.3854, 20.4154, 3.3233

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.2616, 16.8027, 10.4117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3854, 20.4154, 3.3233 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, 80, 27)` looks like.

```
.text, #text, p{  
    color:rgb(216, 80, 27)  
}
```

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, 80, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 80, 27) }
```

Border

The CSS property to change the border of an element to XYZ 31.3854, 20.4154, 3.3233 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, 80, 27) }
```


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

```
.border{ border-color:rgb(216, 80, 27) }
```

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

Here you see how a box with a 4 pixel rgb(216, 80, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 80, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 80, 27);  
box-shadow:4px 4px 4px 4px rgb(216, 80,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3854, 20.4154, 3.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 80, 27) }
```

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

```
.background{ background-color: rgb(216, 80,  
27) }
```

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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