

Converting Colors

XYZ(31.0680, 18.1195, 8.3385)

Have a look what the booklet for
XYZ(31.0680, 18.1195, 8.3385)
contains.

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Color

**XYZ(31.0680, 18.1195,
8.3385)**

Conversions

Conversions Part 1

Format	Color
Hex	D83A4A
RGB	216, 58, 74
RGB Percent	85%, 23%, 29%
CMY	0.1529, 0.7725, 0.7098
CMYK	0.00, 0.73, 0.66, 0.15
HSL	354°, 67%, 54%
HSV	354°, 73%, 85%
XYZ	31.0680, 18.1195, 8.3385
YIQ	107.0660, 89.0320, 38.4720

Conversions

Conversions Part 2

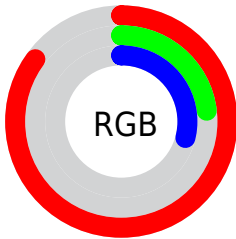
Format	Color
RYB	216, 58, 74
Decimal	14170698
CIELab	49.64, 61.49, 28.24
CIElCh	50, 67.666, 24.668
Yxy	18.1195, 0.5401, 0.3150
Android (android.graphics.Color)	4292360778 (0xFFD83A4A)
YUV	107.0660, -16.3015, 95.5351
Hunter-Lab	42.5670, 55.7879, 18.1825

Details

The XYZ color **31.0680, 18.1195, 8.3385** 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 **36.7279, 54.1820, 63.1726**, and the grayscale version is **14.0212, 14.7514, 16.0643**.

A 20% lighter version of the original color is **51.0605, 35.1808, 22.8383**, and **13.5608, 6.9638, 1.8577** is the 20% darker color. If you saturate the color by 10%, you get **29.6419, 16.1576, 5.1191**, and if you desaturate by 10%, it is **33.1532, 21.0772, 12.7734**.

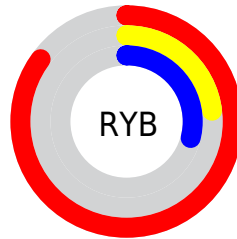
Distribution



Red (85%)

Green (23%)

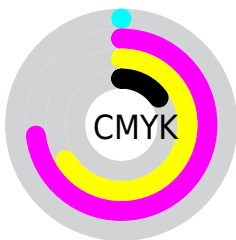
Blue (29%)



Red (85%)

Yellow (23%)

Blue (29%)

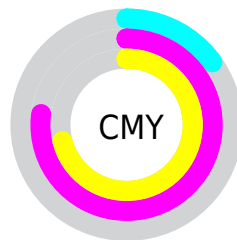


Cyan (0%)

Magenta (73%)

Yellow (66%)

Black (15%)



Cyan (15%)


Magenta (77%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0680, 18.1195, 8.3385 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 31.0680, 18.1195, 8.3385 by changing the saturation by 10% instead.


 31.0680, 18.1195,
8.3385


 31.0680, 18.1195,
8.3385


298.6728,
241.5437, 188.3961


 20.8027, 11.0358,
4.2214


 60.7222, 40.2408,
23.1764


 13.0915, 6.0909,
1.7476


 80.8419, 56.0473,
34.7344


 7.5690, 2.9005,
0.3930


 104.9770, 75.5301,
49.6097

 3.8699, 1.0800,
0.0000

 133.4930, 99.0737,
68.2210

 1.6288, 0.0000,
0.0000

 166.7553,
127.0625, 90.9867

 0.4111, 0.0000,
0.0000

205.1291,

 0.0000, 0.0000,

159.8808, 118.3255

0.0000

248.9798,
197.9131, 150.6557

■ 31.0680, 18.1195,
8.3385

■ 31.0680, 18.1195,
8.3385

■ 29.6419, 16.1576,
5.1191

■ 33.1532, 21.0772,
12.7734

■ 28.7928, 15.0576,
2.9924


■ 35.9640, 25.1358,
18.5284

■ 28.4622, 14.6562,
2.0808


■ 39.5598, 30.3907,
25.6978


■ 43.9938, 36.9260,
34.3672

■ 49.3145, 44.8185,
44.6150

 55.5664, 54.1384,
56.5144

 62.7913, 64.9517,
70.1339

 71.0284, 77.3198,
85.5383

 80.3147, 91.3008,
102.7887

Harmonies

Analogous

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



32.6872, 18.1195, 23.2035



31.0680, 18.1195, 8.3385



25.4018, 18.1195, 2.6515

Triad

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



31.0680, 18.1195, 8.3385



8.9804, 18.1195, 5.5245



16.0992, 18.1195, 80.1018

Complementary

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



31.0680, 18.1195, 8.3385



36.7279, 54.1820, 63.1726

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.



11.0190, 18.1195, 64.9708



31.0680, 18.1195, 8.3385



7.6162, 18.1195, 16.6200

Square

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



31.0680, 18.1195, 8.3385



12.5626, 18.1195, 1.8789



8.2569, 18.1195, 38.4908



22.9111, 18.1195, 72.5247

Rectangle

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



31.0680, 18.1195, 8.3385



20.7001, 18.1195, 1.4973



8.2569, 18.1195, 38.4908



14.1571, 18.1195, 77.3191

Sweetspot

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



31.0684, 18.1206, 8.3388



72.6089, 66.4482, 66.4894



37.0831, 19.9322, 66.8581



15.0516, 13.4946, 13.2937



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.



31.0684, 18.1206, 8.3388



42.3694, 22.4791, 5.5114



35.6290, 27.9969, 7.5307



12.4738, 12.4410, 13.1694



16.8654, 8.6825, 1.3293



1.0350, 0.5308, 0.1739

Inverse Universe

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



31.0684, 18.1206, 8.3388



42.3694, 22.4791, 5.5114



25.9345, 29.4463, 69.2821



12.4738, 12.4410, 13.1694



16.8654, 8.6825, 1.3293



1.0350, 0.5308, 0.1739

Previews

White Background



This preview shows how the XYZ color 31.0680, 18.1195, 8.3385 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



This preview shows how the XYZ color 31.0680, 18.1195, 8.3385 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 31.0680, 18.1195, 8.3385

Background



This preview shows how black text looks on a background with the XYZ color 31.0680, 18.1195, 8.3385.



This preview shows how white text looks on a background with the XYZ color 31.0680, 18.1195,

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

31.0680, 18.1195, 8.3385

Protanopia

17.1405, 18.1987, 14.1646

Deuteranopia

18.5656, 18.2233, 7.6932



Tritanopia

30.8320, 18.1895, 6.5885

Trichromacy



Original Color

31.0680, 18.1195, 8.3385

Protanomaly

20.0866, 16.3561, 11.5496

Deuteranomaly

21.7831, 16.9163, 7.7473

Tritanomaly

30.8960, 18.1321, 7.1816

Monochromacy



Original Color

31.0680, 18.1195, 8.3385

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.6706, 14.1740, 12.6310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0680, 18.1195, 8.3385 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, 58, 74)` looks like.

```
.text, #text, p{  
    color:rgb(216, 58, 74)  
}
```

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, 58, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 58, 74) }
```

Border

The CSS property to change the border of an element to XYZ 31.0680, 18.1195, 8.3385 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, 58, 74) }
```


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

```
.border{ border-color:rgb(216, 58, 74) }
```

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

Here you see how a box with a 4 pixel rgb(216, 58, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 58, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 58, 74);  
box-shadow:4px 4px 4px 4px rgb(216, 58,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0680, 18.1195, 8.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 58, 74) }
```

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

```
.background{ background-color: rgb(216, 58,  
74) }
```

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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