

Converting Colors

XYZ(30.8451, 18.1460, 5.3668)

Have a look what the booklet for
XYZ(30.8451, 18.1460, 5.3668)
contains.

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Color

**XYZ(30.8451, 18.1460,
5.3668)**

Conversions

Conversions Part 1

Format	Color
Hex	D93B36
RGB	217, 59, 54
RGB Percent	85%, 23%, 21%
CMY	0.1490, 0.7686, 0.7882
CMYK	0.00, 0.73, 0.75, 0.15
HSL	2°, 68%, 53%
HSV	2°, 75%, 85%
XYZ	30.8451, 18.1460, 5.3668
YIQ	105.6720, 95.7730, 31.9410

Conversions

Conversions Part 2

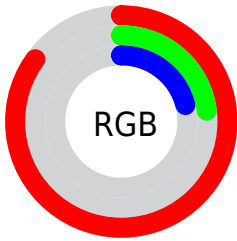
Format	Color
RYB	217, 59, 54
Decimal	14236470
CIELab	49.67, 60.53, 39.90
CIELCh	50, 72.495, 33.392
Yxy	18.1460, 0.5674, 0.3338
Android (android.graphics.Color)	4292426550 (0xFFD93B36)
YUV	105.6720, -25.4743, 97.6347
Hunter-Lab	42.5981, 54.7043, 22.3489

Details

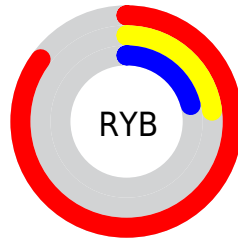
The XYZ color **30.8451, 18.1460, 5.3668** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **37.5862, 52.8750, 73.8701**, and the grayscale version is **13.6602, 14.3716, 15.6507**.

A 20% lighter version of the original color is **49.9996, 34.9419, 16.6796**, and **13.3812, 6.8919, 0.9122** is the 20% darker color. If you saturate the color by 10%, you get **29.5723, 16.2424, 2.9645**, and if you desaturate by 10%, it is **32.7811, 21.0131, 9.1112**.

Distribution



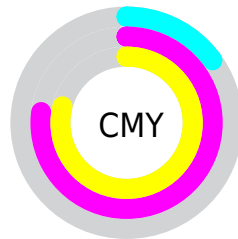
- Red (85%)
- Green (23%)
- Blue (21%)



- Red (85%)
- Yellow (23%)
- Blue (21%)



- Cyan (0%)
- Magenta (73%)
- Yellow (75%)
- Black (15%)





- Cyan (15%)
- Magenta (77%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8451, 18.1460, 5.3668 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 30.8451, 18.1460, 5.3668 by changing the saturation by 10% instead.

 30.8451, 18.1460,
5.3668


 30.8451, 18.1460,
5.3668


297.6637,
241.6927, 162.3837

 20.6322, 11.0549,
2.4016


 60.3736, 40.2859,
17.0561


 12.9663, 6.1037,
0.7873


 80.4199, 56.1035,
26.6173

 7.4822, 2.9083,
0.0000


 104.4747, 75.5987,
39.2142

 3.8144, 1.0840,
0.0000

 132.9034, 99.1560,
55.2654

 1.5977, 0.0000,
0.0000

 166.0713,
127.1596, 75.1894

 0.3909, 0.0000,
0.0000

 204.3437,

 0.0000, 0.0000,

159.9940, 99.4048

0.0000

248.0861,
198.0435, 128.3301

■ 30.8451, 18.1460,
5.3668

■ 30.8451, 18.1460,
5.3668

■ 29.5723, 16.2424,
2.9645

■ 32.7811, 21.0131,
9.1112

■ 28.8728, 15.1741,
1.7117


■ 35.4526, 24.9445,
14.3536


■ 28.6875, 14.8964,
1.3633


■ 38.9239, 30.0320,
21.2296


■ 43.2518, 36.3566,
29.8593

■ 48.4881, 43.9919,
40.3516

 54.6804, 53.0059,
52.8066

 61.8729, 63.4618,
67.3171

 70.1073, 75.4190,
83.9702

 79.4226, 88.9335,
102.8478

Harmonies

Analogous

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



34.1450, 18.1460, 17.5964



30.8451, 18.1460, 5.3668



23.8889, 18.1460, 1.5443

Triad

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



30.8451, 18.1460, 5.3668



7.9053, 18.1460, 7.1690



18.0433, 18.1460, 87.0122

Complementary

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



30.8451, 18.1460, 5.3668



37.5862, 52.8750, 73.8701

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.



11.9671, 18.1460, 76.8186



30.8451, 18.1460, 5.3668



7.1129, 18.1460, 22.0896

Square

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



30.8451, 18.1460, 5.3668



10.9339, 18.1460, 1.9922



8.3807, 18.1460, 48.8687



25.6164, 18.1460, 71.3990

Rectangle

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



30.8451, 18.1460, 5.3668



18.8174, 18.1460, 0.9529



8.3807, 18.1460, 48.8687



15.7669, 18.1460, 86.5145

Sweetspot

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



30.8455, 18.1471, 5.3671



71.4728, 65.7197, 61.3518



42.1080, 22.2595, 65.8850



14.6555, 13.1305, 11.8414



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.



30.8455, 18.1471, 5.3671



41.9525, 22.3956, 3.0599



38.4005, 33.2571, 7.8854



13.0880, 13.1153, 13.5673



17.3800, 9.0456, 0.8300



1.1375, 0.6092, 0.0576

Inverse Universe

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



37.5862, 52.8750, 73.8701



52.0136, 74.5336, 106.2528



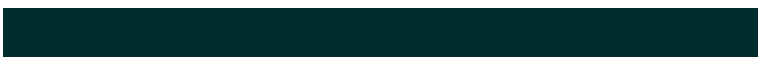
22.4035, 22.5098, 68.8092



13.4088, 14.7573, 16.7939



21.5970, 31.0634, 44.5960



1.4102, 2.0345, 2.8928

Previews

White Background



This preview shows how the XYZ color 30.8451, 18.1460, 5.3668 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 30.8451, 18.1460, 5.3668 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 30.8451, 18.1460, 5.3668

Background



This preview shows how black text looks on a background with the XYZ color 30.8451, 18.1460, 5.3668.



This preview shows how white text looks on a background with the XYZ color 30.8451, 18.1460,

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

30.8451, 18.1460, 5.3668

Protanopia

17.0053, 18.4205, 8.9626

Deuteranopia

18.5539, 18.2806, 4.8361



Tritanopia

30.9439, 18.1041, 6.1385

Trichromacy



Original Color

30.8451, 18.1460, 5.3668

Protanomaly

20.1584, 16.6241, 7.3006

Deuteranomaly

21.6610, 16.9182, 4.8132

Tritanomaly

30.8920, 18.0833, 5.8652

Monochromacy



Original Color

30.8451, 18.1460, 5.3668

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

17.1467, 13.9439, 10.8045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8451, 18.1460, 5.3668 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(217, 59, 54)` looks like.

```
.text, #text, p{  
    color:rgb(217, 59, 54)  
}
```

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(217, 59, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 59, 54) }
```

Border

The CSS property to change the border of an element to XYZ 30.8451, 18.1460, 5.3668 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(217, 59, 54) }
```


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

```
.border{ border-color:rgb(217, 59, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 59, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 59, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 59, 54);  
box-shadow:4px 4px 4px 4px rgb(217, 59,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8451, 18.1460, 5.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 59, 54) }
```

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

```
.background{ background-color: rgb(217, 59,  
54) }
```

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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