

Converting Colors

XYZ(33.5831, 18.6828, 8.1394)

Have a look what the booklet for
XYZ(33.5831, 18.6828, 8.1394)
contains.

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Color

**XYZ(33.5831, 18.6828,
8.1394)**

Conversions

Conversions Part 1

Format	Color
Hex	E22F49
RGB	226, 47, 73
RGB Percent	89%, 18%, 29%
CMY	0.1137, 0.8156, 0.7137
CMYK	0.00, 0.79, 0.68, 0.11
HSL	351°, 76%, 54%
HSV	351°, 79%, 89%
XYZ	33.5831, 18.6828, 8.1394
YIQ	103.4850, 98.3380, 46.0340

Conversions

Conversions Part 2

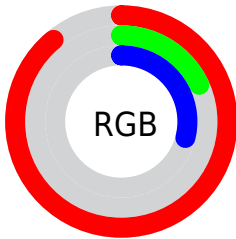
Format	Color
RYB	226, 47, 73
Decimal	14823241
CIELab	50.31, 67.64, 30.08
CIElCh	50, 74.031, 23.977
Yxy	18.6828, 0.5560, 0.3093
Android (android.graphics.Color)	4293013321 (0xFFE22F49)
YUV	103.4850, -15.0291, 107.4457
Hunter-Lab	43.2236, 63.0464, 19.0917

Details

The XYZ color **33.5831, 18.6828, 8.1394** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **38.7962, 59.1678, 64.0281**, and the grayscale version is **13.0429, 13.7221, 14.9434**.

A 20% lighter version of the original color is **50.2671, 33.7923, 21.9624**, and **15.3386, 7.8803, 1.9409** is the 20% darker color. If you saturate the color by 10%, you get **32.3575, 17.1025, 5.0466**, and if you desaturate by 10%, it is **35.4757, 21.2793, 12.4360**.

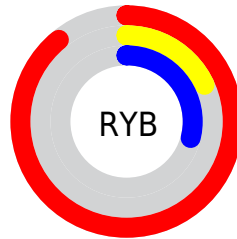
Distribution



Red (89%)

Green (18%)

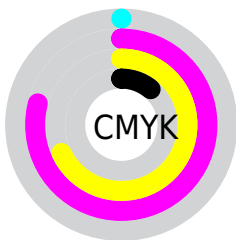
Blue (29%)



Red (89%)

Yellow (18%)

Blue (29%)

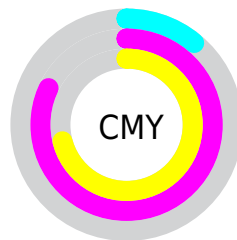


Cyan (0%)

Magenta (79%)

Yellow (68%)

Black (11%)



Cyan (11%)


Magenta (82%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5831, 18.6828, 8.1394 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 33.5831, 18.6828, 8.1394 by changing the saturation by 10% instead.


 33.5831, 18.6828,
8.1394


 33.5831, 18.6828,
8.1394

309.8878,
244.6920, 186.7966


 22.7349, 11.4413,
4.0952


 64.6334, 41.1974,
22.7819

 14.5175, 6.3645,
1.6777


 85.5663, 57.2393,
34.2174

 8.5656, 3.0680,
0.3454


 110.5913, 76.9835,
48.9537

 4.5137, 1.1673,
0.0000

 140.0740,
100.8143, 67.4093

 1.9967, 0.0348,
0.0000

 174.3796,
129.1162, 90.0029

 0.6321, 0.0000,
0.0000

213.8736,

 0.0000, 0.0000,

162.2735, 117.1530

0.0000

258.9212,
200.6706, 149.2780

■ 33.5831, 18.6828,
8.1394

■ 33.5831, 18.6828,
8.1394

■ 32.3575, 17.1025,
5.0466

■ 35.4757, 21.2793,
12.4360

■ 31.6775, 16.3256,
3.0225


■ 38.1141, 25.0221,
18.0447


■ 31.6357, 16.2774,
2.8994


■ 41.5673, 30.0255,
25.0620


■ 45.8958, 36.3891,
33.5755

■ 51.1546, 44.2024,
43.6652

 57.3939, 53.5473,
55.4055

 64.6603, 64.4996,
68.8662

 72.9976, 77.1301,
84.1127

 82.4468, 91.5052,
101.2074

Harmonies

Analogous

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



35.3163, 18.6828, 24.7769



33.5831, 18.6828, 8.1394



27.1707, 18.6828, 2.1983

Triad

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



33.5831, 18.6828, 8.1394



8.7727, 18.6828, 4.8294



16.3486, 18.6828, 90.3745

Complementary

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



33.5831, 18.6828, 8.1394



38.7962, 59.1678, 64.0281

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.



10.8162, 18.6828, 71.9589



33.5831, 18.6828, 8.1394



7.2669, 18.6828, 16.4713

Square

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



33.5831, 18.6828, 8.1394



12.7200, 18.6828, 1.3854



7.8986, 18.6828, 40.9955



23.9751, 18.6828, 82.0209

Rectangle

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



33.5831, 18.6828, 8.1394



21.8447, 18.6828, 1.0957



7.8986, 18.6828, 40.9955



14.2147, 18.6828, 86.8618

Sweetspot

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



33.5835, 18.6839, 8.1397



71.2293, 64.0514, 64.9123



38.3379, 19.6881, 73.7305



14.6341, 12.7943, 12.7388



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.



33.5835, 18.6839, 8.1397



41.9126, 21.7542, 4.7776



37.4165, 27.4526, 6.0178



13.7879, 13.7328, 14.6533



18.0746, 9.2968, 1.7926



1.2788, 0.6548, 0.2610

Inverse Universe

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



33.5835, 18.6839, 8.1397



41.9126, 21.7542, 4.7776



28.0607, 32.4162, 76.7290



13.7879, 13.7328, 14.6533



18.0746, 9.2968, 1.7926



1.2788, 0.6548, 0.2610

Previews

White Background



This preview shows how the XYZ color 33.5831, 18.6828, 8.1394 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 33.5831, 18.6828, 8.1394 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 33.5831, 18.6828, 8.1394

Background



This preview shows how black text looks on a background with the XYZ color 33.5831, 18.6828, 8.1394.



This preview shows how white text looks on a background with the XYZ color 33.5831, 18.6828,

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

33.5831, 18.6828, 8.1394

Protanopia

17.8178, 18.8846, 15.0179

Deuteranopia

19.2407, 18.9162, 7.3397



Tritanopia

32.8550, 18.6231, 5.1118

Trichromacy



Original Color

33.5831, 18.6828, 8.1394

Protanomaly

20.9069, 16.3706, 11.9554

Deuteranomaly

22.5738, 16.9477, 7.3917

Tritanomaly

33.0076, 18.6150, 6.1283

Monochromacy



Original Color

33.5831, 18.6828, 8.1394

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.2378, 13.2551, 11.7752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5831, 18.6828, 8.1394 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(226, 47, 73)` looks like.

```
.text, #text, p{  
    color:rgb(226, 47, 73)  
}
```

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(226, 47, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 47, 73) }
```

Border

The CSS property to change the border of an element to XYZ 33.5831, 18.6828, 8.1394 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(226, 47, 73) }
```


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

```
.border{ border-color:rgb(226, 47, 73) }
```

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

Here you see how a box with a 4 pixel rgb(226, 47, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 47, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 47, 73);  
box-shadow:4px 4px 4px 4px rgb(226, 47,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5831, 18.6828, 8.1394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 47, 73) }
```

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

```
.background{ background-color: rgb(226, 47,  
73) }
```

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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