

Converting Colors

XYZ(33.1175, 18.4187, 7.1647)

Have a look what the booklet for
XYZ(33.1175, 18.4187, 7.1647)
contains.

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Color

**XYZ(33.0415, 18.3668,
7.1139)**

Conversions

Conversions Part 1

Format	Color
Hex	E12E43
RGB	225, 46, 67
RGB Percent	88%, 18%, 26%
CMY	0.1176, 0.8195, 0.7373
CMYK	0.00, 0.80, 0.70, 0.12
HSL	353°, 75%, 53%
HSV	353°, 80%, 88%
XYZ	33.0415, 18.3668, 7.1139
YIQ	101.9150, 99.9430, 44.4790

Conversions

Conversions Part 2

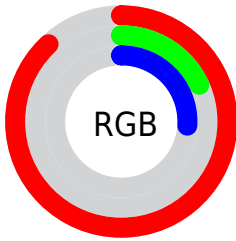
Format	Color
RYB	225, 46, 67
Decimal	14757443
CIELab	49.94, 67.35, 33.13
CIElCh	50, 75.062, 26.194
Yxy	18.3668, 0.5646, 0.3138
Android (android.graphics.Color)	4292947523 (0xFFE12E43)
YUV	101.9150, -17.2131, 107.9455
Hunter-Lab	42.8565, 62.6210, 20.1578

Details

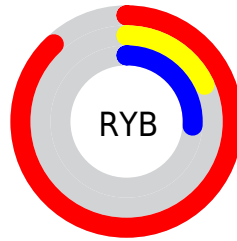
The XYZ color **33.0415, 18.3668, 7.1139** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **38.9533, 58.7917, 66.4304**, and the grayscale version is **12.6341, 13.2920, 14.4750**.

A 20% lighter version of the original color is **49.8032, 33.4351, 20.0484**, and **14.8628, 7.6430, 1.5560** is the 20% darker color. If you saturate the color by 10%, you get **31.8838, 16.8473, 4.2754**, and if you desaturate by 10%, it is **34.8643, 20.8902, 11.1821**.

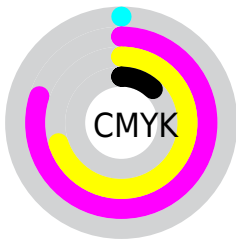
Distribution



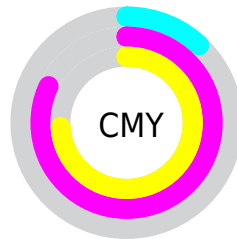
- Red (88%)
- Green (18%)
- Blue (26%)



- Red (88%)
- Yellow (18%)
- Blue (26%)



- Cyan (0%)
- Magenta (80%)
- Yellow (70%)
- Black (12%)





- Cyan (12%)
- Magenta (82%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0415, 18.3668, 7.1139 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 33.0415, 18.3668, 7.1139 by changing the saturation by 10% instead.

 33.0415, 18.3668,
7.1139


 33.0415, 18.3668,
7.1139


307.4984,
242.9305, 178.2735


 22.3176, 11.2137,
3.4539


 63.7946, 40.6614,
20.7187


 14.2084, 6.2107,
1.3308


 84.5545, 56.5716,
31.5007


 8.3484, 2.9736,
0.0868


 109.3904, 76.1696,
45.4937

 4.3724, 1.1180,
0.0000

 138.6678, 99.8398,
63.1163

 1.9149, 0.0000,
0.0000

 172.7519,
127.9666, 84.7870

 0.5855, 0.0000,
0.0000

212.0081,

 0.0000, 0.0000,

160.9343, 110.9244

0.0000

256.8018,
199.1275, 141.9471

■ 33.0415, 18.3668,
7.1139

■ 33.0415, 18.3668,
7.1139

■ 31.8838, 16.8473,
4.2754

■ 34.8643, 20.8902,
11.1821

■ 31.2633, 16.1099,
2.5156


■ 37.4329, 24.5480,
16.5994


■ 31.2419, 16.0838,
2.4576


■ 40.8178, 29.4545,
23.4716

■ 45.0807, 35.7094,
31.8939

■ 50.2775, 43.4019,
41.9532

 56.4593, 52.6138,
53.7301

 63.6736, 63.4209,
67.2996

 71.9648, 75.8936,
82.7326

 81.3745, 90.0983,
100.0958

Harmonies

Analogous

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



35.2143, 18.3668, 22.7444



33.0415, 18.3668, 7.1139



26.3387, 18.3668, 1.8391

Triad

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



33.0415, 18.3668, 7.1139



8.3018, 18.3668, 5.0638



16.5551, 18.3668, 91.2801

Complementary

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



33.0415, 18.3668, 7.1139



38.9533, 58.7917, 66.4304

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.



10.8370, 18.3668, 74.2735



33.0415, 18.3668, 7.1139



6.9736, 18.3668, 17.4827

Square

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



33.0415, 18.3668, 7.1139



12.0358, 18.3668, 1.3537



7.7550, 18.3668, 43.0750



24.3019, 18.3668, 80.7589

Rectangle

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



33.0415, 18.3668, 7.1139



20.9701, 18.3668, 0.9233



7.7550, 18.3668, 43.0750



14.3602, 18.3668, 88.4024

Sweetspot

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



33.0419, 18.3679, 7.1142



71.0270, 63.9705, 63.8473



38.6918, 19.8276, 73.0216



14.5869, 12.7754, 12.4903



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.



33.0419, 18.3679, 7.1142



41.7837, 21.7027, 4.0987



37.2995, 27.7145, 5.9699



13.7723, 13.7265, 14.5710



18.0251, 9.2771, 1.5322



1.2714, 0.6518, 0.2219

Inverse Universe

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



33.0419, 18.3679, 7.1142



41.7837, 21.7027, 4.0987



27.1801, 30.9418, 75.7736



13.7723, 13.7265, 14.5710



18.0251, 9.2771, 1.5322



1.2714, 0.6518, 0.2219

Previews

White Background



This preview shows how the XYZ color 33.0415, 18.3668, 7.1139 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 33.0415, 18.3668, 7.1139 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 33.0415, 18.3668, 7.1139

Background



This preview shows how black text looks on a background with the XYZ color 33.0415, 18.3668, 7.1139.



This preview shows how white text looks on a background with the XYZ color 33.0415, 18.3668,

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

33.0415, 18.3668, 7.1139

Protanopia

17.3250, 18.4960, 13.0129

Deuteranopia

18.7885, 18.5331, 6.4579



Tritanopia

32.4145, 18.2742, 4.8365

Trichromacy



Original Color

33.0415, 18.3668, 7.1139

Protanomaly

20.5316, 16.0809, 10.4093

Deuteranomaly

22.0939, 16.5956, 6.4537

Tritanomaly

32.5112, 18.2467, 5.5498

Monochromacy



Original Color

33.0415, 18.3668, 7.1139

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.8531, 12.9589, 11.0643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0415, 18.3668, 7.1139 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(225, 46, 67)` looks like.

```
.text, #text, p{  
    color:rgb(225, 46, 67)  
}
```

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(225, 46, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 46, 67) }
```

Border

The CSS property to change the border of an element to XYZ 33.0415, 18.3668, 7.1139 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(225, 46, 67) }
```


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

```
.border{ border-color:rgb(225, 46, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 46, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 46, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 46, 67);  
box-shadow:4px 4px 4px 4px rgb(225, 46,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0415, 18.3668, 7.1139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 46, 67) }
```

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

```
.background{ background-color: rgb(225, 46,  
67) }
```

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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