

Converting Colors

XYZ(33.6967, 19.3146, 9.3588)

Have a look what the booklet for
XYZ(33.6967, 19.3146, 9.3588)
contains.

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Color

**XYZ(33.5659, 19.2402,
9.3417)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E0384F |
| RGB | 224, 56, 79 |
| RGB Percent | 88%, 22%, 31% |
| CMY | 0.1216, 0.7803, 0.6902 |
| CMYK | 0.00, 0.75, 0.65, 0.12 |
| HSL | 352°, 73%, 55% |
| HSV | 352°, 75%, 88% |
| XYZ | 33.5659, 19.2402, 9.3417 |
| YIQ | 108.8540, 92.7450, 42.7690 |

Conversions

Conversions Part 2

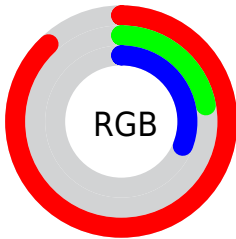
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 224, 56, 79 |
| Decimal | 14694479 |
| CIE _{Lab} | 50.97, 64.77, 27.25 |
| CIE _{LCh} | 51, 70.267, 22.818 |
| Yxy | 19.2402, 0.5401, 0.3096 |
| Android (android.graphics.Color) | 4292884559 (0xFFE0384F) |
| YUV | 108.8540, -14.7180, 100.9830 |
| Hunter-Lab | 43.8637, 59.8326, 18.0775 |

Details

The XYZ color **33.5659, 19.2402, 9.3417** 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 **38.8312, 58.3697, 64.4859**, and the grayscale version is **14.5180, 15.2740, 16.6334**.

A 20% lighter version of the original color is **51.3817, 35.3093, 24.5293**, and **15.0013, 7.6984, 2.2854** is the 20% darker color. If you saturate the color by 10%, you get **32.1081, 17.2920, 5.8742**, and if you desaturate by 10%, it is **35.7145, 22.2431, 14.0494**.

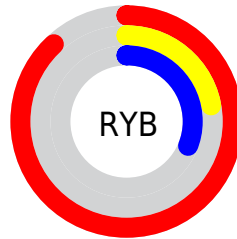
Distribution



Red (88%)

Green (22%)

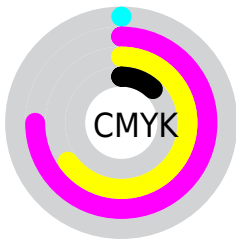
Blue (31%)



Red (88%)

Yellow (22%)

Blue (31%)

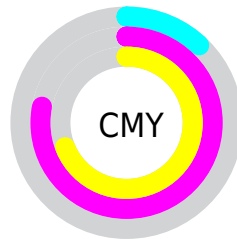


Cyan (0%)

Magenta (75%)

Yellow (65%)

Black (12%)



Cyan (12%)


Magenta (78%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5659, 19.2402, 9.3417 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 33.5659, 19.2402, 9.3417 by changing the saturation by 10% instead.


 33.5659, 19.2402,
9.3417


 33.5659, 19.2402,
9.3417

309.8121,
247.7716, 196.2179


 22.7216, 11.8440,
4.8649

 64.6068, 42.1396,
25.1379

 14.5076, 6.6375,
2.1109


 85.5342, 58.4115,
37.2943


 8.5586, 3.2365,
0.6222


 110.5533, 78.4108,
52.8477

 4.5092, 1.2564,
0.0000

 140.0294,
102.5219, 72.2166

 1.9941, 0.1071,
0.0000

 174.3281,
131.1291, 95.8195

 0.6306, 0.0000,
0.0000

213.8145,

 0.0000, 0.0000,

164.6169, 124.0750

0.0000

258.8541,
203.3696, 157.4016

■ 33.5659, 19.2402,
9.3417

■ 33.5659, 19.2402,
9.3417

■ 32.1081, 17.2920,
5.8742

■ 35.7145, 22.2431,
14.0494

■ 31.2510, 16.2469,
3.5260


■ 38.6262, 26.4185,
20.1003


■ 30.9830, 15.9443,
2.7169


■ 42.3654, 31.8723,
27.5877


■ 46.9891, 38.6977,
36.5962

■ 52.5495, 46.9790,
47.2036

 59.0946, 56.7938,
59.4827

 66.6690, 68.2142,
73.5015

 75.3146, 81.3078,
89.3244

 84.2320, 94.4599,
106.7326

Harmonies

Analogous

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



34.9955, 19.2402, 26.1040



33.5659, 19.2402, 9.3417



27.6040, 19.2402, 2.8636

Triad

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



33.5659, 19.2402, 9.3417



9.5772, 19.2402, 5.2936



16.6679, 19.2402, 86.4224

Complementary

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



33.5659, 19.2402, 9.3417



38.8312, 58.3697, 64.4859

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.



11.3453, 19.2402, 68.5861



33.5659, 19.2402, 9.3417



7.9795, 19.2402, 16.5222

Square

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



33.5659, 19.2402, 9.3417



13.5815, 19.2402, 1.7730



8.5328, 19.2402, 39.5585



23.9708, 19.2402, 79.6783

Rectangle

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



33.5659, 19.2402, 9.3417



22.5229, 19.2402, 1.5364



8.5328, 19.2402, 39.5585



14.6190, 19.2402, 82.8540

Sweetspot

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



33.5664, 19.2413, 9.3420



72.8512, 66.5452, 67.7653



38.3698, 20.3264, 72.4215



15.1076, 13.5170, 13.5886



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.



33.5664, 19.2413, 9.3420



42.3345, 22.2713, 5.9259



37.5633, 28.3507, 7.2355



13.7832, 13.7309, 14.6287



18.0589, 9.2905, 1.7098



1.2766, 0.6539, 0.2493

Inverse Universe

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



33.5664, 19.2413, 9.3420



42.3345, 22.2713, 5.9259



28.5781, 33.2069, 75.4238



13.7832, 13.7309, 14.6287



18.0589, 9.2905, 1.7098



1.2766, 0.6539, 0.2493

Previews

White Background



This preview shows how the XYZ color 33.5659, 19.2402, 9.3417 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 33.5659, 19.2402, 9.3417 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 33.5659, 19.2402, 9.3417

Background



This preview shows how black text looks on a background with the XYZ color 33.5659, 19.2402, 9.3417.



This preview shows how white text looks on a background with the XYZ color 33.5659, 19.2402,

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

33.5659, 19.2402, 9.3417

Protanopia

18.4631, 19.5489, 16.4359

Deuteranopia

19.7453, 19.3225, 8.4833



Tritanopia

32.8649, 19.1637, 6.5242

Trichromacy



Original Color

33.5659, 19.2402, 9.3417

Protanomaly

21.5833, 17.3664, 13.2808

Deuteranomaly

23.1098, 17.7166, 8.5049

Tritanomaly

32.9879, 19.1314, 7.4229

Monochromacy



Original Color

33.5659, 19.2402, 9.3417

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

18.6233, 14.7735, 13.4253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5659, 19.2402, 9.3417 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(224, 56, 79)` looks like.

```
.text, #text, p{  
    color:rgb(224, 56, 79)  
}
```

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(224, 56, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 56, 79) }
```

Border

The CSS property to change the border of an element to XYZ 33.5659, 19.2402, 9.3417 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(224, 56, 79) }
```


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

```
.border{ border-color:rgb(224, 56, 79) }
```

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

Here you see how a box with a 4 pixel rgb(224, 56, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 56, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 56, 79);  
box-shadow:4px 4px 4px 4px rgb(224, 56,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5659, 19.2402, 9.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 56, 79) }
```

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

```
.background{ background-color: rgb(224, 56,  
79) }
```

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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