

Converting Colors

XYZ(33.5108, 17.6045, 9.0236)

Have a look what the booklet for
XYZ(33.5108, 17.6045, 9.0236)
contains.

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Color

**XYZ(33.4165, 17.5487,
9.0231)**

Conversions

Conversions Part 1

Format	Color
Hex	E3184F
RGB	227, 24, 79
RGB Percent	89%, 9%, 31%
CMY	0.1098, 0.9058, 0.6902
CMYK	0.00, 0.89, 0.65, 0.11
HSL	344°, 81%, 49%
HSV	344°, 89%, 89%
XYZ	33.4165, 17.5487, 9.0231
YIQ	90.9670, 103.3330, 60.1410

Conversions

Conversions Part 2

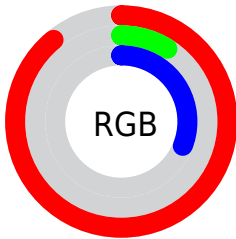
Format	Color
R_{YB}	227, 24, 79
Decimal	14882895
CIE _{Lab}	48.94, 72.96, 24.78
CIE _{LCh}	49, 77.055, 18.757
Yxy	17.5487, 0.5571, 0.2925
Android (android.graphics.Color)	4293072975 (0xFFE3184F)
YUV	90.9670, -5.8997, 119.3009
Hunter-Lab	41.8912, 69.0795, 16.5531

Details

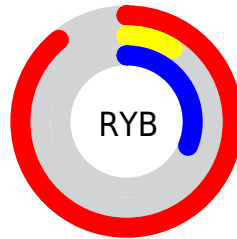
The XYZ color **33.4165, 17.5487, 9.0231** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **35.2954, 58.1121, 48.4003**, and the grayscale version is **9.9363, 10.4537, 11.3841**.

A 20% lighter version of the original color is **49.5040, 31.5539, 23.9034**, and **15.4227, 7.9139, 2.3837** is the 20% darker color. If you saturate the color by 10%, you get **32.5747, 16.7124, 6.1311**, and if you desaturate by 10%, it is **34.7749, 19.1785, 12.8275**.

Distribution



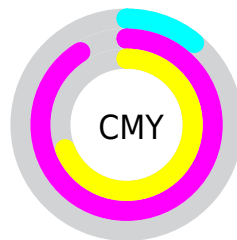
- Red (89%)
- Green (9%)
- Blue (31%)



- Red (89%)
- Yellow (9%)
- Blue (31%)



- Cyan (0%)
- Magenta (89%)
- Yellow (65%)
- Black (11%)





- Cyan (11%)
- Magenta (91%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4165, 17.5487, 9.0231 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 33.4165, 17.5487, 9.0231 by changing the saturation by 10% instead.

 33.4165, 17.5487,
9.0231


 33.4165, 17.5487,
9.0231


309.1543,
238.3148, 193.7745


 22.6065, 10.6265,
4.6592


 64.3756, 39.2668,
24.5195


 14.4223, 5.8163,
1.9935


 85.2553, 54.8315,
36.4891

 8.4986, 2.7337,
0.5513


 110.2224, 74.0457,
51.8310

 4.4701, 0.9943,
0.0000

 139.6420, 97.2940,
70.9638

 1.9714, 0.0000,
0.0000

 173.8797,
124.9606, 94.3061

 0.6178, 0.0000,
0.0000

 213.3007,

 0.0000, 0.0000,

157.4301, 122.2762

0.0000

258.2705,
195.0867, 155.2929

■ 33.4165, 17.5487,
9.0231

■ 33.4165, 17.5487,
9.0231

■ 32.5747, 16.7124,
6.1311

■ 34.7749, 19.1785,
12.8275

■ 32.5337, 16.6729,
5.9863

■ 36.7634, 21.8122,
17.6322

■ 39.4563, 25.5833,
23.5078

■ 42.9165, 30.6040,
30.5176

■ 47.1997, 36.9729,
38.7196

■ 52.3561, 44.7786,
48.1678

■ 58.4321, 54.1022,
58.9125

■ 65.4705, 65.0187,
71.0013

■ 73.5114, 77.5981,
84.4793

Harmonies

Analogous

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



34.1644, 17.5487, 27.8769



33.4165, 17.5487, 9.0231



27.5075, 17.5487, 2.1472

Triad

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



33.4165, 17.5487, 9.0231



8.3185, 17.5487, 3.1157



14.1355, 17.5487, 89.7863

Complementary

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



33.4165, 17.5487, 9.0231



35.2954, 58.1121, 48.4003

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.



9.1472, 17.5487, 66.7630



33.4165, 17.5487, 9.0231



6.4892, 17.5487, 12.4021

Square

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



33.4165, 17.5487, 9.0231



12.6310, 17.5487, 0.7987



6.7413, 17.5487, 34.8054



21.5120, 17.5487, 86.0851

Rectangle

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



33.4165, 17.5487, 9.0231



22.1844, 17.5487, 0.8786



6.7413, 17.5487, 34.8054



12.1701, 17.5487, 84.4978

Sweetspot

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



33.4169, 17.5498, 9.0234



69.8255, 60.8390, 65.6921



30.6600, 14.6899, 73.8922



14.4038, 12.1956, 13.0883



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.



33.4169, 17.5498, 9.0234



42.3161, 21.6905, 7.5968



33.9110, 20.5318, 3.0414



14.5365, 14.4318, 15.7597



19.0157, 9.7405, 3.7115



1.4432, 0.7350, 0.4746

Inverse Universe

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



33.4169, 17.5498, 9.0234



42.3161, 21.6905, 7.5968



31.1806, 39.6168, 78.6761



14.5365, 14.4318, 15.7597



19.0157, 9.7405, 3.7115



1.4432, 0.7350, 0.4746

Previews

White Background



This preview shows how the XYZ color 33.4165, 17.5487, 9.0231 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 33.4165, 17.5487, 9.0231 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 33.4165, 17.5487, 9.0231

Background



This preview shows how black text looks on a background with the XYZ color 33.4165, 17.5487, 9.0231.



This preview shows how white text looks on a background with the XYZ color 33.4165, 17.5487,

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

33.4165, 17.5487, 9.0231

Protanopia

17.1443, 17.9306, 18.4769

Deuteranopia

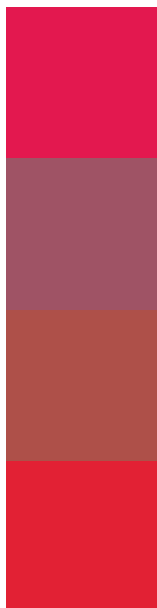
18.1960, 17.8577, 8.1181



Tritanopia

32.3756, 17.6824, 3.3757

Trichromacy



Original Color

33.4165, 17.5487, 9.0231

Protanomaly

19.7403, 14.4970, 14.0697

Deuteranomaly

21.5268, 15.2170, 8.1059

Tritanomaly

32.5277, 17.5044, 4.9131

Monochromacy



Original Color

33.4165, 17.5487, 9.0231

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.5427, 10.2779, 10.2342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4165, 17.5487, 9.0231 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(227, 24, 79)` looks like.

```
.text, #text, p{  
    color:rgb(227, 24, 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(227, 24, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 24, 79) }
```

Border

The CSS property to change the border of an element to XYZ 33.4165, 17.5487, 9.0231 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(227, 24, 79) }
```


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

```
.border{ border-color:rgb(227, 24, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 24, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 24, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 24, 79);  
box-shadow:4px 4px 4px 4px rgb(227, 24,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4165, 17.5487, 9.0231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 24, 79) }
```

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

```
.background{ background-color: rgb(227, 24,  
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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