

Converting Colors

XYZ(31.8891, 14.0261, 10.4995)

Have a look what the booklet for
XYZ(31.8891, 14.0261, 10.4995)
contains.

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Color

**XYZ(33.4817, 17.0522,
10.9779)**

Conversions

Conversions Part 1

Format	Color
Hex	E30059
RGB	227, 0, 89
RGB Percent	89%, 0%, 35%
CMY	0.1098, 0.9998, 0.6510
CMYK	0.00, 1.00, 0.61, 0.11
HSL	336°, 100%, 45%
HSV	336°, 100%, 89%
XYZ	33.4817, 17.0522, 10.9779
YIQ	78.0190, 106.7230, 75.8030

Conversions

Conversions Part 2

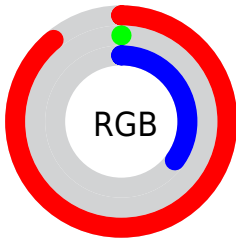
Format	Color
R_{YB}	227, 0, 89
Decimal	14876761
CIE Lab	48.33, 75.86, 17.82
CIE LCh	48, 77.922, 13.220
Yxy	17.0522, 0.5443, 0.2772
Android (android.graphics.Color)	4293066841 (0xFFE30059)
YUV	78.0190, 5.4136, 130.6563
Hunter-Lab	41.2943, 72.4639, 13.1440

Details

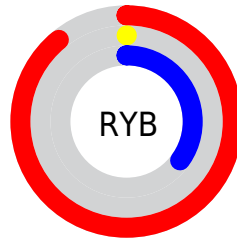
The XYZ color **33.4817, 17.0522, 10.9779** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **32.0610, 56.7747, 33.3343**, and the grayscale version is **7.2268, 7.6031, 8.2798**.

A 20% lighter version of the original color is **49.7273, 30.7784, 27.7460**, and **15.7645, 8.0744, 3.1105** is the 20% darker color. If you saturate the color by 10%, you get **33.4801, 17.0515, 10.9705**, and if you desaturate by 10%, it is **34.4182, 17.9092, 14.4231**.

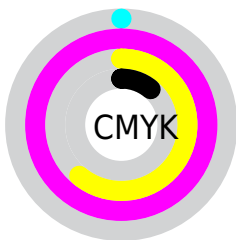
Distribution



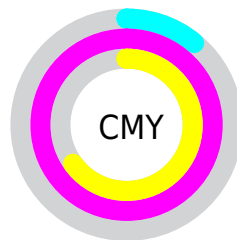
- Red (89%)
- Green (0%)
- Blue (35%)



- Red (89%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (11%)



- Cyan (11%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4817, 17.0522, 10.9779 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 33.4817, 17.0522, 10.9779 by changing the saturation by 10% instead.


 33.4817, 17.0522,
10.9779

 33.4817, 17.0522,
10.9779


309.4415,
235.4730, 208.2479

 22.6567, 10.2717,
5.9380


 64.4765, 38.4155,
28.2553


 14.4595, 5.5795,
2.7392


 85.3771, 53.7671,
41.3299


 8.5248, 2.5911,
0.9631


 110.3668, 72.7446,
57.9198

 4.4872, 0.9222,
0.0000

 139.8112, 95.7322,
78.4436

 1.9813, 0.0000,
0.0000

 174.0754,
123.1145, 103.3197

 0.6234, 0.0000,
0.0000

 213.5250,

 0.0000, 0.0000,

155.2758, 132.9668

0.0000

258.5253,
192.6005, 167.8033

■ 33.4817, 17.0522,
10.9779

■ 33.4817, 17.0522,
10.9779

■ 33.4801, 17.0515,
10.9705

■ 34.4182, 17.9092,
14.4231

■ 35.8220, 19.5176,
18.5879

■ 37.8117, 22.1066,
23.5378

■ 40.4574, 25.8083,
29.3203

■ 43.8186, 30.7345,
35.9781

■ 47.9475, 36.9826,
43.5503

■ 52.8916, 44.6407,
52.0734

■ 58.6941, 53.7888,
61.5815

■ 65.3950, 64.5011,
72.1070

Harmonies

Analogous

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



33.1267, 17.0522, 32.3114



33.4817, 17.0522, 10.9779



28.3441, 17.0522, 2.5935

Triad

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



33.4817, 17.0522, 10.9779



8.5352, 17.0522, 2.1578



12.5741, 17.0522, 86.8919

Complementary

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



33.4817, 17.0522, 10.9779



32.0610, 56.7747, 33.3343

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.



8.1498, 17.0522, 60.3297



33.4817, 17.0522, 10.9779



6.3291, 17.0522, 9.4057

Square

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



33.4817, 17.0522, 10.9779



13.2790, 17.0522, 0.5218



6.2125, 17.0522, 29.0323



19.5379, 17.0522, 88.6639

Rectangle

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



33.4817, 17.0522, 10.9779



23.1769, 17.0522, 0.9617



6.2125, 17.0522, 29.0323



10.7975, 17.0522, 80.0009

Sweetspot

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



33.4821, 17.0533, 10.9781



68.7047, 57.8780, 67.5365



24.0550, 10.8000, 73.4893



14.0947, 11.4371, 13.4174



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.



33.4821, 17.0533, 10.9781



43.5374, 22.1790, 14.0278



31.9801, 16.9338, 1.5846



14.6097, 14.4611, 16.1452



19.5792, 9.9659, 6.6792



1.4914, 0.7543, 0.7282

Inverse Universe

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



33.4821, 17.0533, 10.9781



43.5374, 22.1790, 14.0278



35.5311, 48.8772, 80.2341



14.6097, 14.4611, 16.1452



19.5792, 9.9659, 6.6792



1.4914, 0.7543, 0.7282

Previews

White Background



This preview shows how the XYZ color 33.4817, 17.0522, 10.9779 looks on a white background.

Color Contrast Check

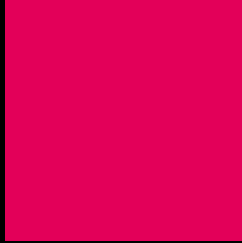
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4817, 17.0522, 10.9779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

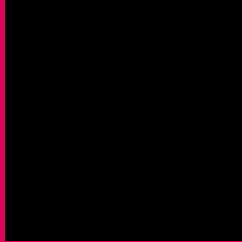
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4817, 17.0522, 10.9779

Background



This preview shows how black text looks on a background with the XYZ color 33.4817, 17.0522, 10.9779.

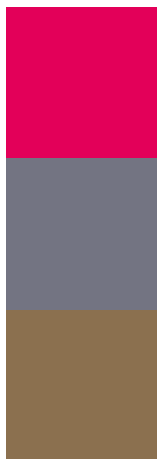


This preview shows how white text looks on a background with the XYZ color 33.4817, 17.0522,

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

33.4817, 17.0522, 10.9779

Protanopia

17.3449, 17.7473, 23.6305

Deuteranopia

17.8529, 17.6418, 9.8614



Tritanopia

31.9567, 17.3791, 3.1090

Trichromacy



Original Color

33.4817, 17.0522, 10.9779



Protanomaly

19.2536, 13.2033, 17.7534



Deuteranomaly

20.6092, 13.7889, 9.7589



Tritanomaly

32.3130, 17.0386, 4.9538

Monochromacy



Original Color

33.4817, 17.0522, 10.9779



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.1793, 7.7959, 8.8455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4817, 17.0522, 10.9779 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, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 89)  
}
```

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, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 33.4817, 17.0522, 10.9779 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, 0, 89) }
```


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

```
.border{ border-color:rgb(227, 0, 89) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4817, 17.0522, 10.9779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 89) }
```

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

```
.background{ background-color: rgb(227, 0,  
89) }
```

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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