

Converting Colors

XYZ(34.8112, 17.7315, 11.3118)

Have a look what the booklet for
XYZ(34.8112, 17.7315, 11.3118)
contains.

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Color

**XYZ(34.8005, 17.7271,
11.2603)**

Conversions

Conversions Part 1

Format	Color
Hex	E7005A
RGB	231, 0, 90
RGB Percent	91%, 0%, 35%
CMY	0.0941, 0.9998, 0.6471
CMYK	0.00, 1.00, 0.61, 0.09
HSL	337°, 100%, 45%
HSV	337°, 100%, 91%
XYZ	34.8005, 17.7271, 11.2603
YIQ	79.3290, 108.7860, 76.9620

Conversions

Conversions Part 2

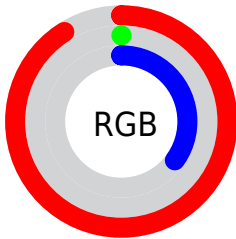
Format	Color
R_{YB}	231, 0, 90
Decimal	15138906
CIE Lab	49.16, 76.82, 18.47
CIE LCh	49, 79.013, 13.521
Yxy	17.7271, 0.5456, 0.2779
Android (android.graphics.Color)	4293328986 (0xFFE7005A)
YUV	79.3290, 5.2608, 133.0155
Hunter-Lab	42.1036, 73.8571, 13.6158

Details

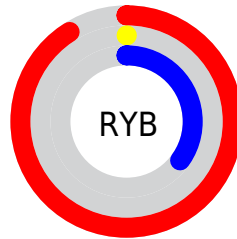
The XYZ color **34.8005, 17.7271, 11.2603** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **33.3881, 59.0766, 34.8628**, and the grayscale version is **7.4761, 7.8654, 8.5654**.

A 20% lighter version of the original color is **49.8880, 30.9822, 28.1617**, and **16.4100, 8.4050, 3.2400** is the 20% darker color. If you saturate the color by 10%, you get **34.7990, 17.7265, 11.2532**, and if you desaturate by 10%, it is **35.7683, 18.6093, 14.8310**.

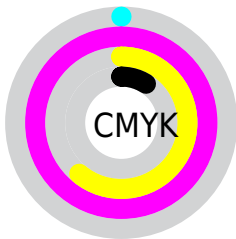
Distribution



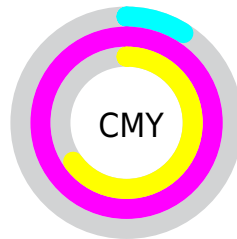
- Red (91%)
- Green (0%)
- Blue (35%)



- Red (91%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8005, 17.7271, 11.2603 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 34.8005, 17.7271, 11.2603 by changing the saturation by 10% instead.


 34.8005, 17.7271,
11.2603


 34.8005, 17.7271,
11.2603


315.2103,
239.3283, 210.2459


 23.6750, 10.7542,
6.1258


 66.5127, 39.5718,
28.7845


 15.2162, 5.9018,
2.8517


 87.8301, 55.2123,
42.0113


 9.0585, 2.7855,
1.0194


 113.2755, 74.5110,
58.7726

 4.8368, 1.0208,
0.0000

 143.2143, 97.8520,
79.4870

 2.1856, 0.0000,
0.0000

 178.0118,
125.6199, 104.5729

 0.7351, 0.0000,
0.0000

 218.0334,

 0.0000, 0.0000,

158.1989, 134.4491

0.0000

263.6445,
195.9736, 169.5339

■ 34.8005, 17.7271,
11.2603

■ 34.8005, 17.7271,
11.2603

■ 34.7990, 17.7265,
11.2532

■ 35.7683, 18.6093,
14.8310

■ 37.2241, 20.2756,
19.1556

■ 39.2908, 22.9630,
24.3025

■ 42.0418, 26.8100,
30.3218

■ 45.5392, 31.9328,
37.2583

■ 49.8377, 38.4338,
45.1533

■ 54.9868, 46.4044,
54.0450

■ 61.0316, 55.9285,
63.9694

■ 68.0142, 67.0833,
74.9606

Harmonies

Analogous

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



34.4933, 17.7271, 33.3111



34.8005, 17.7271, 11.2603



29.4061, 17.7271, 2.6474

Triad

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



34.8005, 17.7271, 11.2603



8.8316, 17.7271, 2.2714



13.1289, 17.7271, 90.6074

Complementary

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



34.8005, 17.7271, 11.2603



33.3881, 59.0766, 34.8628

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.



8.4985, 17.7271, 63.1180



34.8005, 17.7271, 11.2603



6.5612, 17.7271, 9.9014

Square

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



34.8005, 17.7271, 11.2603



13.7384, 17.7271, 0.5552



6.4604, 17.7271, 30.4744



20.3971, 17.7271, 92.1413

Rectangle

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



34.8005, 17.7271, 11.2603



24.0175, 17.7271, 0.9817



6.4604, 17.7271, 30.4744



11.2711, 17.7271, 83.5141

Sweetspot

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



34.8009, 17.7282, 11.2606



68.6815, 57.8687, 67.4146



25.0086, 11.2270, 76.4500



14.0893, 11.4349, 13.3888



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.



34.8009, 17.7282, 11.2606



43.5073, 22.1669, 13.8692



33.2645, 17.6076, 1.6469



14.6082, 14.4605, 16.1373



19.5655, 9.9604, 6.6067



1.4903, 0.7538, 0.7224

Inverse Universe

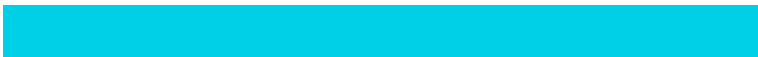
The Inverse Universe completely reimagines the original color for something new.



34.8009, 17.7282, 11.2606



43.5073, 22.1669, 13.8692



36.9571, 50.8353, 83.4654



14.6082, 14.4605, 16.1373



19.5655, 9.9604, 6.6067



1.4903, 0.7538, 0.7224

Previews

White Background



This preview shows how the XYZ color 34.8005, 17.7271, 11.2603 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 34.8005, 17.7271, 11.2603 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 34.8005, 17.7271, 11.2603

Background



This preview shows how black text looks on a background with the XYZ color 34.8005, 17.7271, 11.2603.

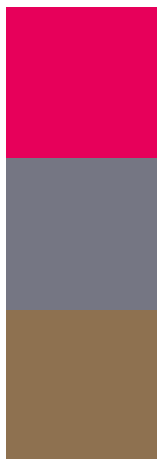


This preview shows how white text looks on a background with the XYZ color 34.8005, 17.7271,

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

34.8005, 17.7271, 11.2603

Protanopia

17.9113, 18.3775, 24.0759

Deuteranopia

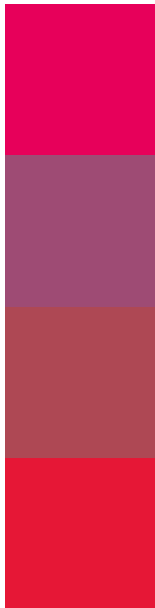
18.5084, 18.1402, 10.1153



Tritanopia

33.2327, 18.0353, 3.2430

Trichromacy



Original Color

34.8005, 17.7271, 11.2603

Protanomaly

19.7690, 13.5622, 18.0988

Deuteranomaly

21.3732, 14.2735, 10.0161

Tritanomaly

33.6054, 17.7021, 5.1357

Monochromacy



Original Color

34.8005, 17.7271, 11.2603

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.5335, 7.9741, 9.0622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8005, 17.7271, 11.2603 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(231, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 90)  
}
```

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(231, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 34.8005, 17.7271, 11.2603 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(231, 0, 90) }
```


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

```
.border{ border-color:rgb(231, 0, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 0, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(231, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8005, 17.7271, 11.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 90) }
```

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

```
.background{ background-color: rgb(231, 0,  
90) }
```

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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