

Converting Colors

XYZ(34.6385, 17.7016, 8.6332)

Have a look what the booklet for
XYZ(34.6385, 17.7016, 8.6332)
contains.

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Color

**XYZ(34.6183, 17.6916,
8.6114)**

Conversions

Conversions Part 1

Format	Color
Hex	E8004D
RGB	232, 0, 77
RGB Percent	91%, 0%, 30%
CMY	0.0902, 0.9998, 0.6980
CMYK	0.00, 1.00, 0.67, 0.09
HSL	340°, 100%, 46%
HSV	340°, 100%, 91%
XYZ	34.6183, 17.6916, 8.6114
YIQ	78.1460, 113.5550, 73.1310

Conversions

Conversions Part 2

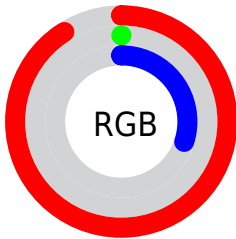
Format	Color
RYB	232, 0, 77
Decimal	15204429
CIELab	49.12, 76.39, 26.43
CIElCh	49, 80.828, 19.084
Yxy	17.6916, 0.5682, 0.2904
Android (android.graphics.Color)	4293394509 (0xFFE8004D)
YUV	78.1460, -0.5650, 134.9300
Hunter-Lab	42.0614, 73.3056, 17.3043

Details

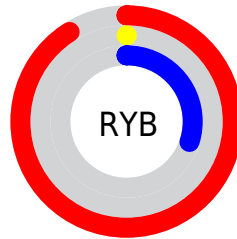
The XYZ color **34.6183, 17.6916, 8.6114** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **34.7779, 60.0816, 40.7973**, and the grayscale version is **7.2605, 7.6386, 8.3185**.

A 20% lighter version of the original color is **48.9202, 30.5951, 23.0657**, and **16.4372, 8.4403, 2.2762** is the 20% darker color. If you saturate the color by 10%, you get **34.6169, 17.6911, 8.6049**, and if you desaturate by 10%, it is **35.5439, 18.5602, 11.9501**.

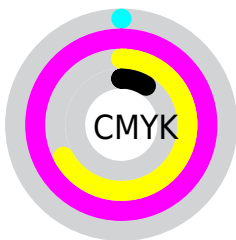
Distribution



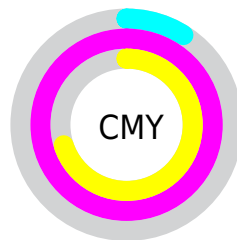
- Red (91%)
- Green (0%)
- Blue (30%)



- Red (91%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6183, 17.6916, 8.6114 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 34.6183, 17.6916, 8.6114 by changing the saturation by 10% instead.


 34.6183, 17.6916,
8.6114


 34.6183, 17.6916,
8.6114


314.4179,
239.1270, 190.5620


 23.5341, 10.7288,
4.3953


 66.2320, 39.5111,
23.7143

 15.1113, 5.8848,
1.8446


 87.4922, 55.1366,
35.4380

 8.9843, 2.7751,
0.4571


 112.8751, 74.4185,
50.5015

 4.7880, 1.0155,
0.0000

 142.7461, 97.7411,
69.3231

 2.1569, 0.0000,
0.0000

 177.4705,
125.4889, 92.3214

 0.7199, 0.0000,
0.0000

 217.4137,

 0.0000, 0.0000,

158.0462, 119.9149

0.0000

262.9411,
195.7974, 152.5223

■ 34.6183, 17.6916,
8.6114

■ 34.6183, 17.6916,
8.6114

■ 34.6169, 17.6911,
8.6049

■ 35.5439, 18.5602,
11.9501

■ 36.9805, 20.2282,
16.1447

■ 39.0543, 22.9356,
21.2756

■ 41.8412, 26.8231,
27.4036

■ 45.4060, 32.0090,
34.5836

■ 49.8055, 38.5973,
42.8656

■ 55.0912, 46.6811,
52.2965

■ 61.3103, 56.3457,
62.9200

■ 68.5064, 67.6697,
74.7775

Harmonies

Analogous

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



35.4922, 17.6916, 28.2644



34.6183, 17.6916, 8.6114



28.2367, 17.6916, 1.8264

Triad

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



34.6183, 17.6916, 8.6114



8.0535, 17.6916, 2.8435



14.2117, 17.6916, 95.7932

Complementary

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



34.6183, 17.6916, 8.6114



34.7779, 60.0816, 40.7973

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.



8.9827, 17.6916, 70.9051



34.6183, 17.6916, 8.6114



6.2046, 17.6916, 12.4100

Square

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



34.6183, 17.6916, 8.6114



12.4990, 17.6916, 0.5806



6.4842, 17.6916, 36.3181



22.0260, 17.6916, 91.3940

Rectangle

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



34.6183, 17.6916, 8.6114



22.5527, 17.6916, 0.6424



6.4842, 17.6916, 36.3181



12.1442, 17.6916, 90.1154

Sweetspot

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



34.6187, 17.6927, 8.6116



68.1446, 57.6539, 64.5871



28.0230, 12.7647, 77.3305



13.9639, 11.3848, 12.7286



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.



34.6187, 17.6927, 8.6116



42.8637, 21.9095, 10.4800



33.9949, 18.5880, 1.7976



14.5732, 14.4465, 15.9528



19.2701, 9.8423, 5.0513



1.4658, 0.7440, 0.5934

Inverse Universe

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



34.6187, 17.6927, 8.6116



42.8637, 21.9095, 10.4800



33.7117, 44.1177, 83.0824



14.5732, 14.4465, 15.9528



19.2701, 9.8423, 5.0513



1.4658, 0.7440, 0.5934

Previews

White Background



This preview shows how the XYZ color 34.6183, 17.6916, 8.6114 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 34.6183, 17.6916, 8.6114 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 34.6183, 17.6916, 8.6114

Background



This preview shows how black text looks on a background with the XYZ color 34.6183, 17.6916, 8.6114.



This preview shows how white text looks on a background with the XYZ color 34.6183, 17.6916,

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

34.6183, 17.6916, 8.6114

Protanopia

17.4851, 18.2867, 18.2309

Deuteranopia

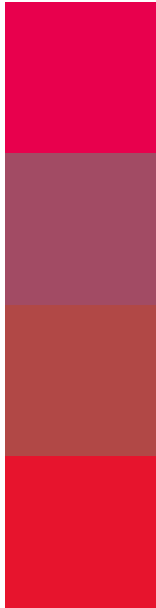
18.5656, 18.2233, 7.6932



Tritanopia

33.6428, 18.0480, 2.7474

Trichromacy



Original Color

34.6183, 17.6916, 8.6114

Protanomaly

19.7166, 13.6336, 13.6490

Deuteranomaly

21.5543, 14.4240, 7.4424

Tritanomaly

33.6788, 17.6787, 4.1199

Monochromacy



Original Color

34.6183, 17.6916, 8.6114

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.3473, 7.8996, 8.0817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6183, 17.6916, 8.6114 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(232, 0, 77)` looks like.

```
.text, #text, p{  
  color:rgb(232, 0, 77)  
}
```

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(232, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 34.6183, 17.6916, 8.6114 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(232, 0, 77) }
```


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

```
.border{ border-color:rgb(232, 0, 77) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.6183, 17.6916, 8.6114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 77) }
```

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

```
.background{ background-color: rgb(232, 0,  
77) }
```

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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