

Converting Colors

XYZ(33.7919, 15.6504, 5.7451)

Have a look what the booklet for
XYZ(33.7919, 15.6504, 5.7451)
contains.

XYZ(34.8012, 17.8402, 6.1667)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.8012, 17.8402,
6.1667)**

Conversions

Conversions Part 1

Format	Color
Hex	EA003E
RGB	234, 0, 62
RGB Percent	92%, 0%, 24%
CMY	0.0824, 0.9998, 0.7569
CMYK	0.00, 1.00, 0.74, 0.08
HSL	344°, 100%, 46%
HSV	344°, 100%, 92%
XYZ	34.8012, 17.8402, 6.1667
YIQ	77.0340, 119.5620, 68.8900

Conversions

Conversions Part 2

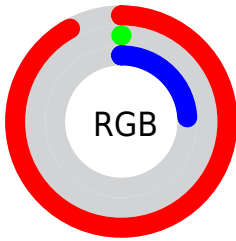
Format	Color
RYB	234, 0, 62
Decimal	15335486
CIELab	49.30, 76.23, 35.78
CIElCh	49, 84.210, 25.146
Yxy	17.8402, 0.5918, 0.3034
Android (android.graphics.Color)	4293525566 (0xFFEA003E)
YUV	77.0340, -7.4118, 137.6592
Hunter-Lab	42.2377, 73.1570, 20.9100

Details

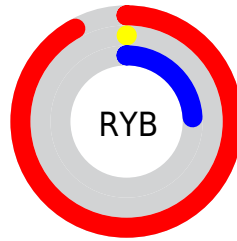
The XYZ color **34.8012, 17.8402, 6.1667** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.8750, 61.8263, 49.0474**, and the grayscale version is **7.0638, 7.4316, 8.0931**.

A 20% lighter version of the original color is **47.9147, 30.1928, 17.7704**, and **16.4885, 8.4855, 1.4307** is the 20% darker color. If you saturate the color by 10%, you get **34.7999, 17.8397, 6.1609**, and if you desaturate by 10%, it is **35.6657, 18.6909, 9.1641**.

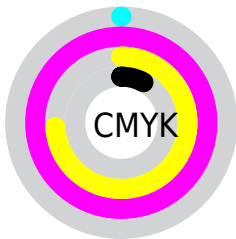
Distribution



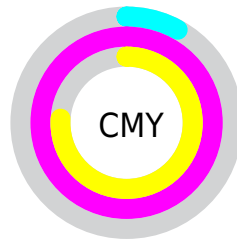
- Red (92%)
- Green (0%)
- Blue (24%)



- Red (92%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8012, 17.8402, 6.1667 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 34.8012, 17.8402, 6.1667 by changing the saturation by 10% instead.


 34.8012, 17.8402,
6.1667


 34.8012, 17.8402,
6.1667


315.2134,
239.9688, 169.9073


 23.6756, 10.8353,
2.8763


 66.5137, 39.7648,
18.7595


 15.2166, 5.9562,
1.0318


 87.8314, 55.4534,
28.8990


 9.0588, 2.8185,
0.0000


 113.2770, 74.8053,
42.1586

 4.8370, 1.0377,
0.0000

 143.2161, 98.2049,
58.9569

 2.1857, 0.0000,
0.0000

 178.0139,
126.0367, 79.7124

 0.7352, 0.0000,
0.0000

 218.0358,

 0.0000, 0.0000,

158.6850, 104.8435

0.0000

263.6472,
196.5342, 134.7690

■ 34.8012, 17.8402,
6.1667

■ 34.8012, 17.8402,
6.1667

■ 34.7999, 17.8397,
6.1609

■ 35.6657, 18.6909,
9.1641

■ 37.0724, 20.3659,
13.1422

■ 39.1529, 23.1107,
18.2014

■ 41.9879, 27.0703,
24.4196

■ 45.6461, 32.3665,
31.8669

■ 50.1882, 39.1065,
40.6075

■ 55.6688, 47.3865,
50.7008

■ 62.1383, 57.2942,
62.2023

■ 69.6432, 68.9108,
75.1645

Harmonies

Analogous

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



37.0909, 17.8402, 23.3514



34.8012, 17.8402, 6.1667



27.2259, 17.8402, 1.1192

Triad

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



34.8012, 17.8402, 6.1667



7.2828, 17.8402, 3.6461



15.7011, 17.8402, 103.2623

Complementary

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



34.8012, 17.8402, 6.1667



36.8750, 61.8263, 49.0474

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.



9.6614, 17.8402, 81.6368



34.8012, 17.8402, 6.1667



5.8635, 17.8402, 15.9653

Square

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



34.8012, 17.8402, 6.1667



11.2769, 17.8402, 0.6134



6.5741, 17.8402, 44.4560



24.2806, 17.8402, 91.6232

Rectangle

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



34.8012, 17.8402, 6.1667



21.1650, 17.8402, 0.2522



6.5741, 17.8402, 44.4560



13.3467, 17.8402, 99.3523

Sweetspot

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



34.8016, 17.8413, 6.1669



67.5406, 57.4123, 61.4064



31.7805, 14.6688, 78.9978



13.8236, 11.3287, 11.9899



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.



34.8016, 17.8413, 6.1669



42.2688, 21.6715, 7.3476



35.2811, 20.1910, 2.0393



15.2292, 15.1195, 16.4924



19.6000, 10.0427, 3.6951



1.5778, 0.8041, 0.4939

Inverse Universe

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



34.8016, 17.8413, 6.1669



42.2688, 21.6715, 7.3476



31.0548, 38.3466, 83.6063



15.2292, 15.1195, 16.4924



19.6000, 10.0427, 3.6951



1.5778, 0.8041, 0.4939

Previews

White Background



This preview shows how the XYZ color 34.8012, 17.8402, 6.1667 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 34.8012, 17.8402, 6.1667 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 34.8012, 17.8402, 6.1667

Background



This preview shows how black text looks on a background with the XYZ color 34.8012, 17.8402, 6.1667.



This preview shows how white text looks on a background with the XYZ color 34.8012, 17.8402,

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

34.8012, 17.8402, 6.1667

Protanopia

17.3250, 18.4960, 13.0129

Deuteranopia

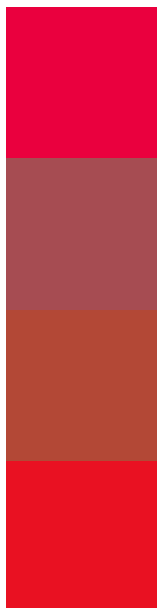
18.6722, 18.3279, 5.4592



Tritanopia

34.0828, 18.1061, 2.2707

Trichromacy



Original Color

34.8012, 17.8402, 6.1667

Protanomaly

19.8333, 13.8851, 9.6174

Deuteranomaly

21.5736, 14.4848, 5.1488

Tritanomaly

34.0935, 17.8400, 3.1599

Monochromacy



Original Color

34.8012, 17.8402, 6.1667

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.0995, 7.7328, 6.9858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8012, 17.8402, 6.1667 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(234, 0, 62)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 62)  
}
```

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(234, 0, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 34.8012, 17.8402, 6.1667 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(234, 0, 62) }
```


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

```
.border{ border-color:rgb(234, 0, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 0, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8012, 17.8402, 6.1667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 62) }
```

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

```
.background{ background-color: rgb(234, 0,  
62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor