

Converting Colors

XYZ(33.6978, 17.3610, 2.0652)

Have a look what the booklet for
XYZ(33.6978, 17.3610, 2.0652)
contains.

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Color

**XYZ(33.6978, 17.3610,
2.0652)**

Conversions

Conversions Part 1

Format	Color
Hex	E90010
RGB	233, 0, 16
RGB Percent	91%, 0%, 6%
CMY	0.0863, 0.9998, 0.9372
CMYK	0.00, 1.00, 0.93, 0.09
HSL	356°, 100%, 46%
HSV	356°, 100%, 91%
XYZ	33.6978, 17.3610, 2.0652
YIQ	71.4910, 133.7320, 54.3720

Conversions

Conversions Part 2

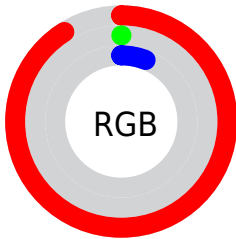
Format	Color
RYB	233, 0, 16
Decimal	15269904
CIELab	48.71, 74.95, 58.23
CIELCh	49, 94.916, 37.846
Yxy	17.3610, 0.6343, 0.3268
Android (android.graphics.Color)	4293459984 (0xFFE90010)
YUV	71.4910, -27.3571, 141.6434
Hunter-Lab	41.6665, 71.4454, 26.2279

Details

The XYZ color **33.6978, 17.3610, 2.0652** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **41.6706, 63.2902, 75.7012**, and the grayscale version is **6.1068, 6.4249, 6.9967**.

A 20% lighter version of the original color is **46.0505, 29.3076, 8.3841**, and **15.9363, 8.2155, 0.7458** is the 20% darker color. If you saturate the color by 10%, you get **33.6972, 17.3608, 2.0632**, and if you desaturate by 10%, it is **34.2627, 18.0886, 3.4946**.

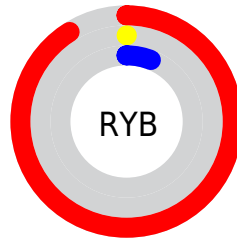
Distribution



Red (91%)

Green (0%)

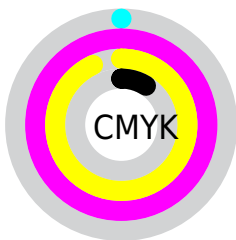
Blue (6%)



Red (91%)

Yellow (0%)

Blue (6%)

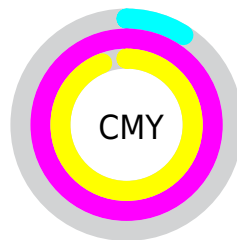


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6978, 17.3610, 2.0652 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 33.6978, 17.3610, 2.0652 by changing the saturation by 10% instead.


 33.6978, 17.3610,
2.0652


 33.6978, 17.3610,
2.0652


310.3921,
237.2442, 123.3811


 22.8233, 10.4922,
0.5949


 64.8109, 38.9454,
9.2183


 14.5831, 5.7265,
0.0000


 85.7802, 54.4298,
15.7834


 8.6117, 2.6795,
0.0000


 110.8451, 73.5549,
24.8988

 4.5439, 0.9668,
0.0000

 140.3711, 96.7051,
36.9832

 2.0142, 0.0000,
0.0000

 174.7234,
124.2647, 52.4551

 0.6419, 0.0000,
0.0000


 214.2675,


 0.0000, 0.0000,


156.6182, 71.7331


0.0000


 259.3686,
194.1499, 95.2355


 33.6978, 17.3610,
2.0652


 33.6978, 17.3610,
2.0652


 33.6972, 17.3608,
2.0632

 34.2627, 18.0886,
3.4946

 35.4069, 19.6491,
6.1204

 37.2809, 22.2940,
10.1458

 39.9800, 26.1727,
15.7297

 43.5850, 31.4111,
23.0095

■ 48.1672, 38.1197,
32.1077

■ 53.7906, 46.3976,
43.1351

■ 60.5139, 56.3351,
56.1940

■ 68.3913, 68.0160,
71.3793

Harmonies

Analogous

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



39.4462, 17.3610, 13.0527



33.6978, 17.3610, 2.0652



23.7034, 17.3610, 0.0000

Triad

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



33.6978, 17.3610, 2.0652



5.3000, 17.3610, 5.9227



18.9091, 17.3610, 118.2863

Complementary

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



33.6978, 17.3610, 2.0652



41.6706, 63.2902, 75.7012

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.



10.9290, 17.3610, 108.0366



33.6978, 17.3610, 2.0652



4.8068, 17.3610, 26.2833

Square

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



33.6978, 17.3610, 2.0652



8.1735, 17.3610, 0.6316



6.4533, 17.3610, 66.6398



29.1443, 17.3610, 88.3224

Rectangle

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



33.6978, 17.3610, 2.0652



17.1424, 17.3610, 0.0000



6.4533, 17.3610, 66.6398



15.8760, 17.3610, 119.7098

Sweetspot

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



33.6982, 17.3621, 2.0654



65.8843, 56.7498, 52.6844



42.3197, 20.1185, 78.7430



13.4437, 11.1767, 9.9895



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.



33.6982, 17.3621, 2.0654



41.3448, 21.3019, 2.4818



37.8897, 25.8943, 3.0027



15.1073, 15.0708, 15.8503



19.1366, 9.8573, 1.2547



1.5174, 0.7799, 0.1758

Inverse Universe

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



33.6982, 17.3621, 2.0654



41.3448, 21.3019, 2.4818



23.5042, 23.4747, 80.3825



15.1073, 15.0708, 15.8503



19.1366, 9.8573, 1.2547



1.5174, 0.7799, 0.1758

Previews

White Background



This preview shows how the XYZ color 33.6978, 17.3610, 2.0652 looks on a white background.

Color Contrast Check

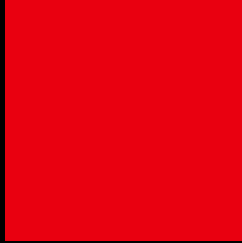
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6978, 17.3610, 2.0652 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 33.6978, 17.3610, 2.0652

Background



This preview shows how black text looks on a background with the XYZ color 33.6978, 17.3610, 2.0652.



This preview shows how white text looks on a background with the XYZ color 33.6978, 17.3610,

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

33.6978, 17.3610, 2.0652

Protanopia

16.3281, 17.9960, 4.3633

Deuteranopia

18.0069, 17.8842, 2.5029



Tritanopia

33.2232, 17.5253, 1.6317

Trichromacy



Original Color

33.6978, 17.3610, 2.0652

Protanomaly

19.1000, 13.5559, 2.7723

Deuteranomaly

20.8765, 14.1033, 1.7942

Tritanomaly

33.4555, 17.4568, 1.7785

Monochromacy



Original Color

33.6978, 17.3610, 2.0652

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.9569, 7.0272, 4.0277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6978, 17.3610, 2.0652 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(233, 0, 16)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 16)  
}
```

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(233, 0, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 16) }
```

Border

The CSS property to change the border of an element to XYZ 33.6978, 17.3610, 2.0652 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(233, 0, 16) }
```


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

```
.border{ border-color:rgb(233, 0, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 0, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 16);  
box-shadow:4px 4px 4px 4px rgb(233, 0, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.6978, 17.3610, 2.0652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 16) }
```

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

```
.background{ background-color: rgb(233, 0,  
16) }
```

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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