

Converting Colors

XYZ(33.3628, 17.1913, 1.9154)

Have a look what the booklet for
XYZ(33.3628, 17.1913, 1.9154)
contains.

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Color

**XYZ(33.3451, 17.1823,
1.9069)**

Conversions

Conversions Part 1

Format	Color
Hex	E8000C
RGB	232, 0, 12
RGB Percent	91%, 0%, 5%
CMY	0.0902, 0.9998, 0.9529
CMYK	0.00, 1.00, 0.95, 0.09
HSL	357°, 100%, 46%
HSV	357°, 100%, 91%
XYZ	33.3451, 17.1823, 1.9069
YIQ	70.7360, 134.4200, 52.9160

Conversions

Conversions Part 2

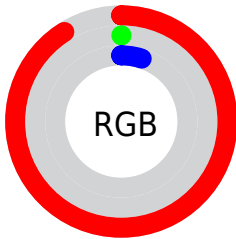
Format	Color
R_{YB}	232, 0, 12
Decimal	15204364
CIE Lab	48.49, 74.67, 59.25
CIE LCh	48, 95.324, 38.430
Yxy	17.1823, 0.6359, 0.3277
Android (android.graphics.Color)	4293394444 (0xFFE8000C)
YUV	70.7360, -28.9568, 141.4285
Hunter-Lab	41.4515, 71.0516, 26.2886

Details

The XYZ color **33.3451, 17.1823, 1.9069** 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 **41.7821, 62.8832, 77.6809**, and the grayscale version is **5.9809, 6.2924, 6.8524**.

A 20% lighter version of the original color is **45.8783, 29.1011, 7.9016**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.3446, 17.1821, 1.9053**, and if you desaturate by 10%, it is **33.8788, 17.8941, 3.1822**.

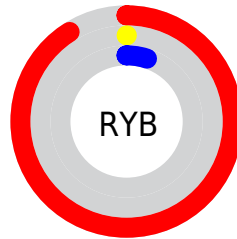
Distribution



Red (91%)

Green (0%)

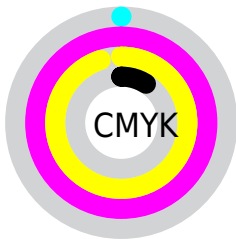
Blue (5%)



Red (91%)

Yellow (0%)

Blue (5%)

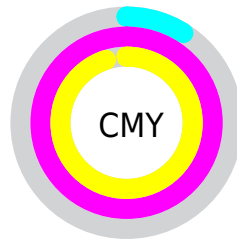


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3451, 17.1823, 1.9069 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 33.3451, 17.1823, 1.9069 by changing the saturation by 10% instead.


 33.3451, 17.1823,
1.9069


 33.3451, 17.1823,
1.9069


 308.8395,
236.2207, 120.9140


 22.5514, 10.3646,
0.4971


 64.2650, 38.6389,
8.7847


 14.3815, 5.6413,
0.0000


 85.1220, 54.0466,
15.1611


 8.4700, 2.6282,
0.0000


 110.0641, 73.0864,
24.0540

 4.4514, 0.9409,
0.0000

 139.4568, 96.1427,
35.8819

 1.9606, 0.0000,
0.0000

 173.6653,
123.5999, 51.0633


 0.6117, 0.0000,
0.0000


 213.0550,


 0.0000, 0.0000,


155.8424, 70.0167


0.0000


 257.9913,
193.2545, 93.1608


 33.3451, 17.1823,
1.9069


 33.3451, 17.1823,
1.9069


 33.3446, 17.1821,
1.9053

 33.8788, 17.8941,
3.1822

 34.9874, 19.4309,
5.6494

 36.8228, 22.0431,
9.5248

 39.4813, 25.8792,
14.9763

 43.0445, 31.0646,
22.1482

■ 47.5842, 37.7089,
31.1686

■ 53.1650, 45.9108,
42.1532

■ 59.8459, 55.7601,
55.2085

■ 67.6814, 67.3399,
70.4331

Harmonies

Analogous

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



39.2264, 17.1823, 12.5036



33.3451, 17.1823, 1.9069



23.3194, 17.1823, 0.0000

Triad

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



33.3451, 17.1823, 1.9069



5.1597, 17.1823, 6.0086



18.9204, 17.1823, 118.0829

Complementary

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



33.3451, 17.1823, 1.9069



41.7821, 62.8832, 77.6809

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.



10.9006, 17.1823, 108.6154



33.3451, 17.1823, 1.9069



4.7118, 17.1823, 26.6869

Square

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



33.3451, 17.1823, 1.9069



7.9560, 17.1823, 0.6242



6.3888, 17.1823, 67.3854



29.1585, 17.1823, 87.3842

Rectangle

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



33.3451, 17.1823, 1.9069



16.7958, 17.1823, 0.0000



6.3888, 17.1823, 67.3854



15.8754, 17.1823, 119.8053

Sweetspot

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



33.3455, 17.1834, 1.9071



65.7492, 56.6958, 51.9732



43.0436, 20.5081, 78.0333



13.4131, 11.1645, 9.8282



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.



33.3455, 17.1834, 1.9071



41.3135, 21.2894, 2.3172



37.8902, 26.3786, 3.0961



14.4069, 14.3800, 15.0774



18.5254, 9.5444, 1.1299



1.3796, 0.7096, 0.1397

Inverse Universe

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



33.3455, 17.1834, 1.9071



41.3135, 21.2894, 2.3172



22.7483, 22.1909, 79.4278



14.4069, 14.3800, 15.0774



18.5254, 9.5444, 1.1299



1.3796, 0.7096, 0.1397

Previews

White Background



This preview shows how the XYZ color 33.3451, 17.1823, 1.9069 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



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 33.3451, 17.1823, 1.9069

Background



This preview shows how black text looks on a background with the XYZ color 33.3451, 17.1823, 1.9069.



This preview shows how white text looks on a background with the XYZ color 33.3451, 17.1823,

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

33.3451, 17.1823, 1.9069

Protanopia

16.0101, 17.6634, 4.0789

Deuteranopia

17.8972, 17.6648, 2.4664



Tritanopia

32.9013, 17.3593, 1.6166

Trichromacy



Original Color

33.3451, 17.1823, 1.9069

Protanomaly

18.7837, 13.2970, 2.5538

Deuteranomaly

20.8656, 14.0989, 1.7365

Tritanomaly

33.1208, 17.2855, 1.7056

Monochromacy



Original Color

33.3451, 17.1823, 1.9069

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.7200, 6.8529, 3.7753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3451, 17.1823, 1.9069 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 33.3451, 17.1823, 1.9069 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, 12) }
```


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

```
.border{ border-color:rgb(232, 0, 12) }
```

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, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3451, 17.1823, 1.9069 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, 12) }
```

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

```
.background{ background-color: rgb(232, 0,  
12) }
```

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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