

Converting Colors

XYZ(33.3844, 17.2000, 2.0292)

Have a look what the booklet for
XYZ(33.3844, 17.2000, 2.0292)
contains.

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Color

**XYZ(33.3649, 17.1903,
2.0115)**

Conversions

Conversions Part 1

Format	Color
Hex	E8000F
RGB	232, 0, 15
RGB Percent	91%, 0%, 6%
CMY	0.0902, 0.9998, 0.9412
CMYK	0.00, 1.00, 0.94, 0.09
HSL	356°, 100%, 46%
HSV	356°, 100%, 91%
XYZ	33.3649, 17.1903, 2.0115
YIQ	71.0780, 133.4570, 53.8490

Conversions

Conversions Part 2

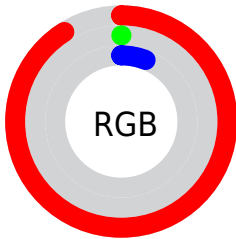
Format	Color
RYB	232, 0, 15
Decimal	15204367
CIELab	48.50, 74.70, 58.33
CIELCh	48, 94.778, 37.987
Yxy	17.1903, 0.6347, 0.3270
Android (android.graphics.Color)	4293394447 (0xFFE8000F)
YUV	71.0780, -27.6465, 141.1286
Hunter-Lab	41.4612, 71.0865, 26.1464

Details

The XYZ color **33.3649, 17.1903, 2.0115** 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 **41.3888, 62.7257, 75.6099**, and the grayscale version is **6.0373, 6.3518, 6.9171**.

A 20% lighter version of the original color is **46.0213, 29.2959, 8.2301**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.3642, 17.1900, 2.0094**, and if you desaturate by 10%, it is **33.9193, 17.9105, 3.3956**.

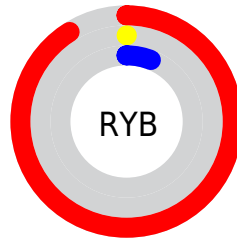
Distribution



Red (91%)

Green (0%)

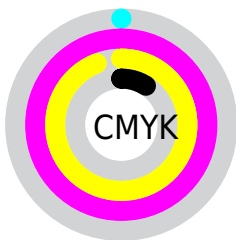
Blue (6%)



Red (91%)

Yellow (0%)

Blue (6%)

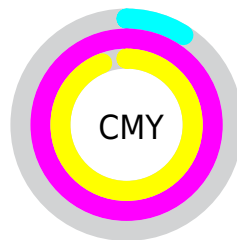


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3649, 17.1903, 2.0115 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 33.3649, 17.1903, 2.0115 by changing the saturation by 10% instead.

 33.3649, 17.1903,
2.0115


 33.3649, 17.1903,
2.0115

308.9268,
236.2666, 122.5551


 22.5667, 10.3703,
0.5623


 64.2957, 38.6527,
9.0722


 14.3928, 5.6451,
0.0000


 85.1590, 54.0638,
15.5741

 8.4779, 2.6305,
0.0000


 110.1080, 73.1074,
24.6151

 4.4566, 0.9420,
0.0000

 139.5082, 96.1679,
36.6137

 1.9636, 0.0000,
0.0000

 173.7247,
123.6297, 51.9884

 0.6134, 0.0000,
0.0000


 213.1231,


 0.0000, 0.0000,


155.8772, 71.1579


0.0000


 258.0687,
193.2947, 94.5406


 33.3649, 17.1903,
2.0115


 33.3649, 17.1903,
2.0115

 33.3642, 17.1900,
2.0094

 33.9193, 17.9105,
3.3956

 35.0476, 19.4554,
5.9662

 36.8996, 22.0743,
9.9281

 39.5698, 25.9153,
15.4409

 43.1388, 31.1032,
22.6425

■ 47.6773, 37.7473,
31.6555

■ 53.2489, 45.9458,
42.5913

■ 59.9120, 55.7883,
55.5521

■ 67.7204, 67.3575,
70.6330

Harmonies

Analogous

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



39.1027, 17.1903, 12.8241



33.3649, 17.1903, 2.0115



23.4367, 17.1903, 0.0000

Triad

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



33.3649, 17.1903, 2.0115



5.2273, 17.1903, 5.8996



18.7724, 17.1903, 117.3647

Complementary

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



33.3649, 17.1903, 2.0115



41.3888, 62.7257, 75.6099

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.



10.8417, 17.1903, 107.3771



33.3649, 17.1903, 2.0115



4.7487, 17.1903, 26.1854

Square

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



33.3649, 17.1903, 2.0115



8.0610, 17.1903, 0.6236



6.3903, 17.1903, 66.3255



28.9328, 17.1903, 87.4462

Rectangle

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



33.3649, 17.1903, 2.0115



16.9329, 17.1903, 0.0000



6.3903, 17.1903, 66.3255



15.7589, 17.1903, 118.8490

Sweetspot

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



33.3653, 17.1914, 2.0117



65.8520, 56.7369, 52.5145



43.0436, 20.5082, 78.0330



13.4364, 11.1738, 9.9509



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.



33.3653, 17.1914, 2.0117



41.3368, 21.2987, 2.4395



37.8904, 26.3791, 3.0963



14.4145, 14.3830, 15.1170



18.5384, 9.5496, 1.1982



1.3832, 0.7110, 0.1587

Inverse Universe

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



33.3653, 17.1914, 2.0117



41.3368, 21.2987, 2.4395



22.7486, 22.1915, 79.4276



14.4145, 14.3830, 15.1170



18.5384, 9.5496, 1.1982



1.3832, 0.7110, 0.1587

Previews

White Background



This preview shows how the XYZ color 33.3649, 17.1903, 2.0115 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 33.3649, 17.1903, 2.0115 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 33.3649, 17.1903, 2.0115

Background



This preview shows how black text looks on a background with the XYZ color 33.3649, 17.1903, 2.0115.



This preview shows how white text looks on a background with the XYZ color 33.3649, 17.1903,

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

33.3649, 17.1903, 2.0115

Protanopia

16.0398, 17.6752, 4.2353

Deuteranopia

17.8972, 17.6648, 2.4664



Tritanopia

32.9013, 17.3593, 1.6166

Trichromacy



Original Color

33.3649, 17.1903, 2.0115

Protanomaly

18.8068, 13.3062, 2.6757

Deuteranomaly

20.8710, 14.1011, 1.7653

Tritanomaly

33.1263, 17.2877, 1.7345

Monochromacy



Original Color

33.3649, 17.1903, 2.0115

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.7418, 6.8616, 3.8902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3649, 17.1903, 2.0115 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 15) }
```

Border

The CSS property to change the border of an element to XYZ 33.3649, 17.1903, 2.0115 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, 15) }
```


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

```
.border{ border-color:rgb(232, 0, 15) }
```

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, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3649, 17.1903, 2.0115 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, 15) }
```

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

```
.background{ background-color: rgb(232, 0,  
15) }
```

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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