

Converting Colors

XYZ(33.9833, 17.9655, 2.0573)

Have a look what the booklet for
XYZ(33.9833, 17.9655, 2.0573)
contains.

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Color

**XYZ(33.9833, 17.9655,
2.0573)**

Conversions

Conversions Part 1

Format	Color
Hex	E9170D
RGB	233, 23, 13
RGB Percent	91%, 9%, 5%
CMY	0.0863, 0.9097, 0.9490
CMYK	0.00, 0.90, 0.94, 0.09
HSL	3°, 89%, 48%
HSV	3°, 94%, 91%
XYZ	33.9833, 17.9655, 2.0573
YIQ	84.6500, 128.3700, 41.4100

Conversions

Conversions Part 2

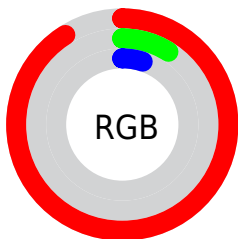
Format	Color
RYB	233, 23, 13
Decimal	15275789
CIELab	49.45, 72.75, 59.58
CIELCh	49, 94.034, 39.319
Yxy	17.9655, 0.6292, 0.3327
Android (android.graphics.Color)	4293465869 (0xFFE9170D)
YUV	84.6500, -35.3235, 130.1029
Hunter-Lab	42.3857, 68.9396, 26.7922

Details

The XYZ color **33.9833, 17.9655, 2.0573** 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 **41.2525, 58.7260, 86.2511**, and the grayscale version is **8.6176, 9.0664, 9.8733**.

A 20% lighter version of the original color is **46.5331, 30.3655, 8.2591**, and **15.9363, 8.2155, 0.7458** is the 20% darker color. If you saturate the color by 10%, you get **33.7194, 17.5543, 1.6111**, and if you desaturate by 10%, it is **34.8758, 19.3502, 3.5900**.

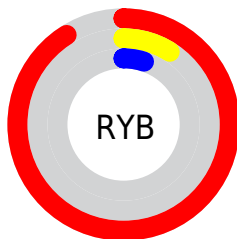
Distribution



Red (91%)

Green (9%)

Blue (5%)



Red (91%)

Yellow (9%)

Blue (5%)

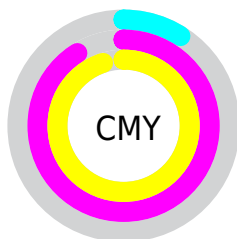


Cyan (0%)

Magenta (90%)

Yellow (94%)

Black (9%)



Cyan (9%)


Magenta (91%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9833, 17.9655, 2.0573 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 33.9833, 17.9655, 2.0573 by changing the saturation by 10% instead.

 33.9833, 17.9655,
2.0573


 33.9833, 17.9655,
2.0573


311.6448,
240.6765, 123.2603


 23.0436, 10.9252,
0.5902


 65.2522, 39.9785,
9.1969


 14.7466, 6.0166,
0.0000


 86.3120, 55.7201,
15.7527


 8.7269, 2.8552,
0.0000


 111.4760, 75.1308,
24.8573

 4.6191, 1.0566,
0.0000

 141.1094, 98.5952,
36.9291

 2.0580, 0.0000,
0.0000

 175.5777,
126.4975, 52.3868

 0.6662, 0.0000,
0.0000


 215.2461,


 0.0000, 0.0000,


159.2223, 71.6489


0.0000


 260.4800,
197.1538, 95.1339


 33.9833, 17.9655,
2.0573


 33.9833, 17.9655,
2.0573


 33.7194, 17.5543,
1.6111

 34.8758, 19.3502,
3.5900

 36.4465, 21.7204,
6.4912

 38.7961, 25.2158,
10.9857

 42.0081, 29.9527,
17.2576

 46.1552, 36.0328,
25.4658

■ 51.3025, 43.5474,
35.7518

■ 57.5092, 52.5798,
48.2438

■ 64.8299, 63.2070,
63.0595

■ 73.3156, 75.5007,
80.3086

Harmonies

Analogous

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



40.0733, 17.9655, 12.6637



33.9833, 17.9655, 2.0573



23.8433, 17.9655, 0.0000

Triad

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



33.9833, 17.9655, 2.0573



5.5652, 17.9655, 6.8755



19.9923, 17.9655, 118.3652

Complementary

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



33.9833, 17.9655, 2.0573



41.2525, 58.7260, 86.2511

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.



11.7276, 17.9655, 110.2382



33.9833, 17.9655, 2.0573



5.1611, 17.9655, 28.5957

Square

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



33.9833, 17.9655, 2.0573



8.3810, 17.9655, 0.8752



6.9799, 17.9655, 69.7826



30.3399, 17.9655, 87.0167

Rectangle

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



33.9833, 17.9655, 2.0573



17.2795, 17.9655, 0.0000



6.9799, 17.9655, 69.7826



16.8735, 17.9655, 120.5094

Sweetspot

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



33.9837, 17.9666, 2.0575



67.5897, 60.1836, 53.1821



47.4295, 23.0840, 73.6671



13.7711, 11.8688, 9.9834



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.



33.9837, 17.9666, 2.0575



41.3670, 21.5140, 1.9723



41.7036, 33.4065, 4.6309



15.1206, 15.1641, 15.6487



19.1574, 10.0090, 0.9222



1.5238, 0.8249, 0.0789

Inverse Universe

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



41.2525, 58.7260, 86.2511



50.2117, 71.5434, 105.7706



21.0808, 18.3827, 79.5273



15.4554, 16.9972, 19.3885



23.2496, 33.1462, 48.9154



1.8439, 2.6392, 3.8471

Previews

White Background



This preview shows how the XYZ color 33.9833, 17.9655, 2.0573 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 33.9833, 17.9655, 2.0573 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 33.9833, 17.9655, 2.0573

Background



This preview shows how black text looks on a background with the XYZ color 33.9833, 17.9655, 2.0573.



This preview shows how white text looks on a background with the XYZ color 33.9833, 17.9655,

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

33.9833, 17.9655, 2.0573

Protanopia

16.5584, 18.2957, 4.1721

Deuteranopia

18.2996, 18.1998, 2.5484



Tritanopia

33.9833, 17.9655, 2.0573

Trichromacy



Original Color

33.9833, 17.9655, 2.0573

Protanomaly

19.7190, 14.8502, 2.8044

Deuteranomaly

21.7184, 15.4516, 1.9813

Tritanomaly

33.9833, 17.9655, 2.0573

Monochromacy



Original Color

33.9833, 17.9655, 2.0573

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

13.1595, 9.2500, 5.2295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9833, 17.9655, 2.0573 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, 23, 13)` looks like.

```
.text, #text, p{  
    color:rgb(233, 23, 13)  
}
```

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, 23, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 23, 13) }
```

Border

The CSS property to change the border of an element to XYZ 33.9833, 17.9655, 2.0573 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, 23, 13) }
```


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

```
.border{ border-color:rgb(233, 23, 13) }
```

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

Here you see how a box with a 4 pixel rgb(233, 23, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 23, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 23, 13);  
box-shadow:4px 4px 4px 4px rgb(233, 23,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9833, 17.9655, 2.0573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 23, 13) }
```

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

```
.background{ background-color: rgb(233, 23,  
13) }
```

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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