

Converting Colors

XYZ(33.9857, 17.9988, 1.9700)

Have a look what the booklet for
XYZ(33.9857, 17.9988, 1.9700)
contains.

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Color

**XYZ(33.9857, 17.9988,
1.9700)**

Conversions

Conversions Part 1

Format	Color
Hex	E9180A
RGB	233, 24, 10
RGB Percent	91%, 9%, 4%
CMY	0.0863, 0.9058, 0.9608
CMYK	0.00, 0.90, 0.96, 0.09
HSL	4°, 92%, 48%
HSV	4°, 96%, 91%
XYZ	33.9857, 17.9988, 1.9700
YIQ	84.8950, 129.0580, 39.9540

Conversions

Conversions Part 2

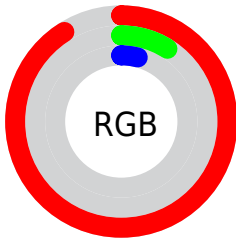
Format	Color
R_{YB}	233, 25, 10
Decimal	15276042
CIE Lab	49.49, 72.58, 60.42
CIE LCh	49, 94.437, 39.774
Yxy	17.9988, 0.6299, 0.3336
Android (android.graphics.Color)	4293466122 (0xFFE9180A)
YUV	84.8950, -36.9232, 129.8881
Hunter-Lab	42.4250, 68.7486, 26.9444

Details

The XYZ color **33.9857, 17.9988, 1.9700** 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 **40.1565, 56.5947, 85.8976**, and the grayscale version is **8.6717, 9.1234, 9.9353**.

A 20% lighter version of the original color is **46.5049, 30.3542, 8.1105**, and **15.9363, 8.2155, 0.7458** is the 20% darker color. If you saturate the color by 10%, you get **33.7701, 17.6556, 1.6280**, and if you desaturate by 10%, it is **34.8545, 19.3784, 3.3644**.

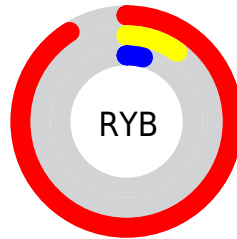
Distribution



Red (91%)

Green (9%)

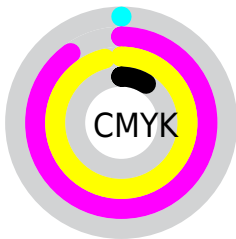
Blue (4%)



Red (91%)

Yellow (10%)

Blue (4%)

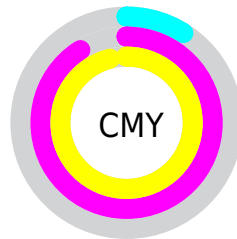


Cyan (0%)

Magenta (90%)

Yellow (96%)

Black (9%)



Cyan (9%)


Magenta (91%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9857, 17.9988, 1.9700 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 33.9857, 17.9988, 1.9700 by changing the saturation by 10% instead.

 33.9857, 17.9988,
1.9700


 33.9857, 17.9988,
1.9700


311.6553,
240.8643, 121.9092


 23.0455, 10.9491,
0.5367


 65.2559, 40.0353,
8.9586


 14.7480, 6.0326,
0.0000


 86.3165, 55.7909,
15.4111

 8.7278, 2.8649,
0.0000


 111.4813, 75.2172,
24.3938

 4.6198, 1.0616,
0.0000

 141.1156, 98.6988,
36.3253

 2.0584, 0.0000,
0.0000

 175.5848,
126.6198, 51.6240


 0.6664, 0.0000,
0.0000


 215.2543,


 0.0000, 0.0000,


159.3648, 70.7085


0.0000


 260.4893,
197.3182, 93.9974


 33.9857, 17.9988,
1.9700


 33.9857, 17.9988,
1.9700


 33.7701, 17.6556,
1.6280

 34.8545, 19.3784,
3.3644

 36.3815, 21.7128,
6.0923

 38.6652, 25.1349,
10.3837

 41.7868, 29.7558,
16.4257

 45.8173, 35.6728,
24.3789

■ 50.8200, 42.9732,
34.3859

■ 56.8527, 51.7368,
46.5756

■ 63.9684, 62.0373,
61.0663

■ 72.2168, 73.9434,
77.9681

Harmonies

Analogous

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



40.2170, 17.9988, 12.3796



33.9857, 17.9988, 1.9700



23.7557, 17.9988, 0.0000

Triad

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



33.9857, 17.9988, 1.9700



5.5253, 17.9988, 7.0400



20.1905, 17.9988, 118.9586

Complementary

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



33.9857, 17.9988, 1.9700



40.1565, 56.5947, 85.8976

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.



11.8318, 17.9988, 111.4100



33.9857, 17.9988, 1.9700



5.1529, 17.9988, 29.1857

Square

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



33.9857, 17.9988, 1.9700



8.3067, 17.9988, 0.8917



7.0140, 17.9988, 70.8856



30.6093, 17.9988, 86.8815

Rectangle

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



33.9857, 17.9988, 1.9700



17.1751, 17.9988, 0.0000



7.0140, 17.9988, 70.8856



17.0397, 17.9988, 121.3480

Sweetspot

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



33.9861, 17.9999, 1.9702



67.0819, 59.5909, 51.7096



46.8772, 22.8065, 70.9328



13.6861, 11.7781, 9.7104



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.



33.9861, 17.9999, 1.9702



41.4259, 21.6319, 1.9920



41.9985, 34.0247, 4.6410



15.1415, 15.2061, 15.6557



19.1920, 10.0782, 0.9338



1.5338, 0.8450, 0.0823

Inverse Universe

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



40.1565, 56.5947, 85.8976



48.9038, 68.9276, 105.3346



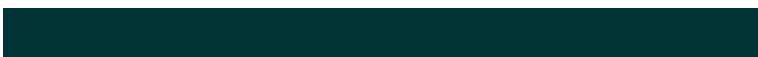
20.4468, 17.1752, 79.3277



15.4318, 16.9501, 19.3806



22.6565, 31.9601, 48.7178



1.8037, 2.5588, 3.8337

Previews

White Background



This preview shows how the XYZ color 33.9857, 17.9988, 1.9700 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 33.9857, 17.9988, 1.9700 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 33.9857, 17.9988, 1.9700

Background



This preview shows how black text looks on a background with the XYZ color 33.9857, 17.9988, 1.9700.



This preview shows how white text looks on a background with the XYZ color 33.9857, 17.9988,

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

33.9857, 17.9988, 1.9700

Protanopia

16.5304, 18.2845, 4.0245

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

34.0102, 18.0086, 2.0989

Trichromacy



Original Color

33.9857, 17.9988, 1.9700

Protanomaly

19.6974, 14.8416, 2.6907

Deuteranomaly

21.7867, 15.5969, 1.9771

Tritanomaly

34.0036, 18.0060, 2.0641

Monochromacy



Original Color

33.9857, 17.9988, 1.9700

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

13.1887, 9.3495, 5.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9857, 17.9988, 1.9700 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, 24, 10)` looks like.

```
.text, #text, p{  
    color:rgb(233, 24, 10)  
}
```

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, 24, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 24, 10) }
```

Border

The CSS property to change the border of an element to XYZ 33.9857, 17.9988, 1.9700 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, 24, 10) }
```


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

```
.border{ border-color:rgb(233, 24, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 24, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 24, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 24, 10);  
box-shadow:4px 4px 4px 4px rgb(233, 24,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9857, 17.9988, 1.9700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 24, 10) }
```

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

```
.background{ background-color: rgb(233, 24,  
10) }
```

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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