

Converting Colors

XYZ(34.6749, 17.7478, 7.3969)

Have a look what the booklet for
XYZ(34.6749, 17.7478, 7.3969)
contains.

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Color

**XYZ(34.7098, 17.7658,
7.3941)**

Conversions

Conversions Part 1

Format	Color
Hex	E90046
RGB	233, 0, 70
RGB Percent	91%, 0%, 27%
CMY	0.0863, 0.9998, 0.7255
CMYK	0.00, 1.00, 0.70, 0.09
HSL	342°, 100%, 46%
HSV	342°, 100%, 91%
XYZ	34.7098, 17.7658, 7.3941
YIQ	77.6470, 116.3980, 71.1660

Conversions

Conversions Part 2

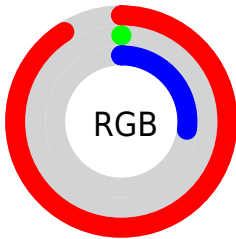
Format	Color
RYB	233, 0, 70
Decimal	15269958
CIELab	49.21, 76.31, 30.84
CIElCh	49, 82.303, 22.004
Yxy	17.7658, 0.5798, 0.2967
Android (android.graphics.Color)	4293460038 (0xFFE90046)
YUV	77.6470, -3.7700, 136.2446
Hunter-Lab	42.1495, 73.2318, 19.1037

Details

The XYZ color **34.7098, 17.7658, 7.3941** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.7550, 60.9241, 44.5500**, and the grayscale version is **7.1720, 7.5455, 8.2170**.

A 20% lighter version of the original color is **48.4244, 30.3967, 20.4544**, and **16.3581, 8.4087, 1.8595** is the 20% darker color. If you saturate the color by 10%, you get **34.7084, 17.7653, 7.3880**, and if you desaturate by 10%, it is **35.6096, 18.6273, 10.5871**.

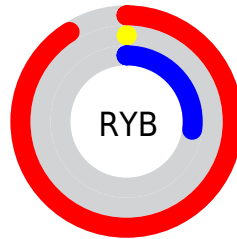
Distribution



Red (91%)

Green (0%)

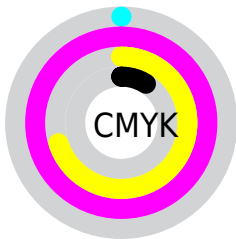
Blue (27%)



Red (91%)

Yellow (0%)

Blue (27%)

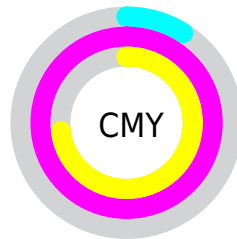


Cyan (0%)

Magenta (100%)

Yellow (70%)

Black (9%)



Cyan (9%)


Magenta (100%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7098, 17.7658, 7.3941 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 34.7098, 17.7658, 7.3941 by changing the saturation by 10% instead.


 34.7098, 17.7658,
7.3941


 34.7098, 17.7658,
7.3941


314.8161,
239.5476, 180.6527


 23.6049, 10.7820,
3.6276


 66.3729, 39.6378,
21.2880


 15.1639, 5.9204,
1.4234


 87.6619, 55.2949,
32.2524

 9.0216, 2.7968,
0.1598


 113.0762, 74.6117,
46.4533

 4.8125, 1.0266,
0.0000

 142.9813, 97.9728,
64.3091

 2.1713, 0.0000,
0.0000

 177.7424,
125.7626, 86.2384

 0.7275, 0.0000,
0.0000

 217.7250,

 0.0000, 0.0000,

158.3654, 112.6598

0.0000

263.2945,
196.1656, 143.9917

■ 34.7098, 17.7658,
7.3941

■ 34.7098, 17.7658,
7.3941

■ 34.7084, 17.7653,
7.3880

■ 35.6096, 18.6273,
10.5871

■ 37.0354, 20.3004,
14.6953

■ 39.1158, 23.0278,
19.8080

■ 41.9291, 26.9521,
25.9935

■ 45.5416, 32.1935,
33.3131

■ 50.0121, 38.8573,
41.8233

■ 55.3934, 47.0383,
51.5764

■ 61.7342, 56.8228,
62.6213

■ 69.0794, 68.2907,
75.0044

Harmonies

Analogous

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



36.2454, 17.7658, 25.8757



34.7098, 17.7658, 7.3941



27.7621, 17.7658, 1.4655

Triad

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



34.7098, 17.7658, 7.3941



7.6865, 17.7658, 3.2071



14.9053, 17.7658, 99.2747

Complementary

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



34.7098, 17.7658, 7.3941



35.7550, 60.9241, 44.5500

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.



9.3016, 17.7658, 75.8457



34.7098, 17.7658, 7.3941



6.0446, 17.7658, 14.0157

Square

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



34.7098, 17.7658, 7.3941



11.9159, 17.7658, 0.5969



6.5290, 17.7658, 40.0240



23.0752, 17.7658, 91.5092

Rectangle

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



34.7098, 17.7658, 7.3941



21.8957, 17.7658, 0.4593



6.5290, 17.7658, 40.0240



12.7052, 17.7658, 94.4020

Sweetspot

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



34.7102, 17.7669, 7.3943



67.8582, 57.5394, 63.0788



29.0529, 13.2791, 78.1223



13.8973, 11.3581, 12.3777



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.



34.7102, 17.7669, 7.3943



42.5644, 21.7898, 8.9041



34.4596, 19.0340, 1.8592



15.2516, 15.1285, 16.6103



19.7422, 10.0996, 4.4439



1.5914, 0.8095, 0.5657

Inverse Universe

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



34.7102, 17.7669, 7.3943



42.5644, 21.7898, 8.9041



33.1855, 42.8374, 83.6098



15.2516, 15.1285, 16.6103



19.7422, 10.0996, 4.4439



1.5914, 0.8095, 0.5657

Previews

White Background



This preview shows how the XYZ color 34.7098, 17.7658, 7.3941 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 34.7098, 17.7658, 7.3941 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 34.7098, 17.7658, 7.3941

Background



This preview shows how black text looks on a background with the XYZ color 34.7098, 17.7658, 7.3941.

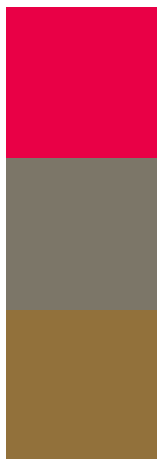


This preview shows how white text looks on a background with the XYZ color 34.7098, 17.7658,

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

34.7098, 17.7658, 7.3941

Protanopia

17.2893, 18.2414, 15.7064

Deuteranopia

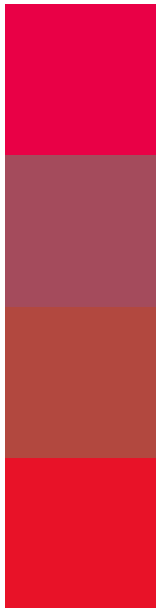
18.5486, 18.2370, 6.6802



Tritanopia

33.8486, 18.0482, 2.5102

Trichromacy



Original Color

34.7098, 17.7658, 7.3941

Protanomaly

19.7577, 13.6974, 11.7277

Deuteranomaly

21.5747, 14.4586, 6.3563

Tritanomaly

33.8780, 17.7416, 3.6464

Monochromacy



Original Color

34.7098, 17.7658, 7.3941

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.2421, 7.8575, 7.5280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7098, 17.7658, 7.3941 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, 70)` looks like.

```
.text, #text, p{  
  color:rgb(233, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 34.7098, 17.7658, 7.3941 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, 70) }
```


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

```
.border{ border-color:rgb(233, 0, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(233, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.7098, 17.7658, 7.3941 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, 70) }
```

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

```
.background{ background-color: rgb(233, 0,  
70) }
```

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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