

Converting Colors

XYZ(34.3876, 17.6013, 7.3122)

Have a look what the booklet for
XYZ(34.3876, 17.6013, 7.3122)
contains.

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Color

**XYZ(34.3842, 17.5980,
7.3789)**

Conversions

Conversions Part 1

Format	Color
Hex	E80046
RGB	232, 0, 70
RGB Percent	91%, 0%, 27%
CMY	0.0902, 0.9998, 0.7255
CMYK	0.00, 1.00, 0.70, 0.09
HSL	342°, 100%, 46%
HSV	342°, 100%, 91%
XYZ	34.3842, 17.5980, 7.3789
YIQ	77.3480, 115.8020, 70.9540

Conversions

Conversions Part 2

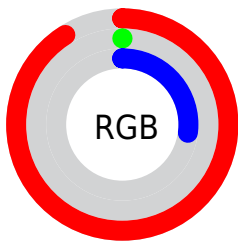
Format	Color
RYB	232, 0, 70
Decimal	15204422
CIELab	49.00, 76.07, 30.54
CIElCh	49, 81.975, 21.871
Yxy	17.5980, 0.5792, 0.2965
Android (android.graphics.Color)	4293394502 (0xFFE80046)
YUV	77.3480, -3.6226, 135.6298
Hunter-Lab	41.9500, 72.8947, 18.9360

Details

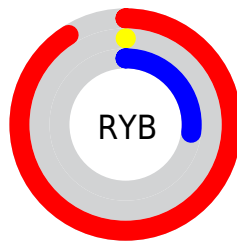
The XYZ color **34.3842, 17.5980, 7.3789** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.3836, 60.3238, 43.9867**, and the grayscale version is **7.1161, 7.4867, 8.1530**.

A 20% lighter version of the original color is **48.4244, 30.3967, 20.4544**, and **16.1460, 8.2993, 1.8496** is the 20% darker color. If you saturate the color by 10%, you get **34.3828, 17.5974, 7.3724**, and if you desaturate by 10%, it is **35.2780, 18.4539, 10.5499**.

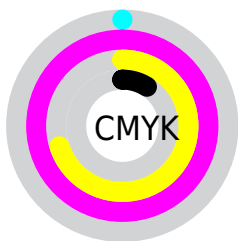
Distribution



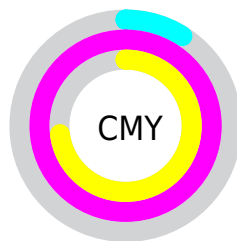
- Red (91%)
- Green (0%)
- Blue (27%)



- 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 34.3842, 17.5980, 7.3789 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 34.3842, 17.5980, 7.3789 by changing the saturation by 10% instead.

 34.3842, 17.5980,
7.3789


 34.3842, 17.5980,
7.3789


313.3977,
238.5953, 180.5246


 23.3532, 10.6618,
3.6182


 65.8710, 39.3511,
21.2572


 14.9766, 5.8399,
1.4183


 87.0575, 54.9368,
32.2119

 8.8892, 2.7480,
0.1559


 112.3599, 74.1744,
46.4015

 4.7255, 1.0016,
0.0000

 142.1436, 97.4484,
64.2448

 2.1202, 0.0000,
0.0000

 176.7738,
125.1430, 86.1602

 0.7002, 0.0000,
0.0000

 216.6160,

 0.0000, 0.0000,

157.6428, 112.5663

0.0000

262.0355,
195.3321, 143.8816

■ 34.3842, 17.5980,
7.3789

■ 34.3842, 17.5980,
7.3789

■ 34.3828, 17.5974,
7.3724

■ 35.2780, 18.4539,
10.5499

■ 36.6920, 20.1129,
14.6251

■ 38.7537, 22.8157,
19.6921

■ 41.5404, 26.7032,
25.8185

■ 45.1178, 31.8943,
33.0647

■ 49.5439, 38.4933,
41.4862

■ 54.8710, 46.5939,
51.1347

■ 61.1471, 56.2814,
62.0583

■ 68.4168, 67.6350,
74.3026

Harmonies

Analogous

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



35.8750, 17.5980, 25.7427



34.3842, 17.5980, 7.3789



27.5267, 17.5980, 1.4674

Triad

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



34.3842, 17.5980, 7.3789



7.6321, 17.5980, 3.1602



14.7351, 17.5980, 98.1934

Complementary

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



34.3842, 17.5980, 7.3789



35.3836, 60.3238, 43.9867

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.



9.2008, 17.5980, 74.9116



34.3842, 17.5980, 7.3789



5.9960, 17.5980, 13.8096

Square

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



34.3842, 17.5980, 7.3789



11.8320, 17.5980, 0.5884



6.4666, 17.5980, 39.4782



22.8128, 17.5980, 90.6561

Rectangle

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



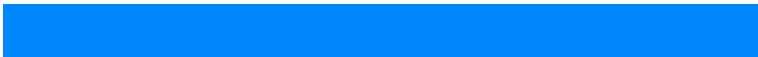
34.3842, 17.5980, 7.3789



21.7229, 17.5980, 0.4604



6.4666, 17.5980, 39.4782



12.5616, 17.5980, 93.3279

Sweetspot

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



34.3846, 17.5991, 7.3791



67.8698, 57.5440, 63.1401



28.7751, 13.1524, 77.3655



13.9000, 11.3592, 12.3919



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.



34.3846, 17.5991, 7.3791



42.5759, 21.7944, 8.9649



34.1274, 18.8531, 1.8419



14.5550, 14.4392, 15.8569



19.1369, 9.7890, 4.3497



1.4542, 0.7394, 0.5323

Inverse Universe

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



34.3846, 17.5991, 7.3791



42.5759, 21.7944, 8.9649



32.8663, 42.4270, 82.8004



14.5550, 14.4392, 15.8569



19.1369, 9.7890, 4.3497



1.4542, 0.7394, 0.5323

Previews

White Background



This preview shows how the XYZ color 34.3842, 17.5980, 7.3789 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 34.3842, 17.5980, 7.3789 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 34.3842, 17.5980, 7.3789

Background



This preview shows how black text looks on a background with the XYZ color 34.3842, 17.5980, 7.3789.

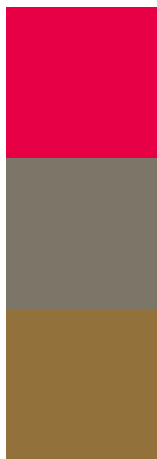


This preview shows how white text looks on a background with the XYZ color 34.3842, 17.5980,

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

34.3842, 17.5980, 7.3789

Protanopia

17.2893, 18.2414, 15.7064

Deuteranopia

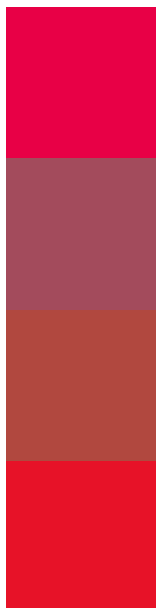
18.5486, 18.2370, 6.6802



Tritanopia

33.5249, 17.8813, 2.4951

Trichromacy



Original Color

34.3842, 17.5980, 7.3789

Protanomaly

19.5521, 13.5914, 11.7181

Deuteranomaly

21.3460, 14.3407, 6.3456

Tritanomaly

33.5543, 17.5747, 3.6312

Monochromacy



Original Color

34.3842, 17.5980, 7.3789

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.0072, 7.6776, 7.3276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3842, 17.5980, 7.3789 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 34.3842, 17.5980, 7.3789 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, 70) }
```


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

```
.border{ border-color:rgb(232, 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(232, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3842, 17.5980, 7.3789 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, 70) }
```

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

```
.background{ background-color: rgb(232, 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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