

Converting Colors

XYZ(34.8155, 17.7724, 9.5651)

Have a look what the booklet for
XYZ(34.8155, 17.7724, 9.5651)
contains.

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Color

**XYZ(34.8017, 17.7650,
9.5774)**

Conversions

Conversions Part 1

Format	Color
Hex	E80052
RGB	232, 0, 82
RGB Percent	91%, 0%, 32%
CMY	0.0902, 0.9998, 0.6784
CMYK	0.00, 1.00, 0.65, 0.09
HSL	339°, 100%, 46%
HSV	339°, 100%, 91%
XYZ	34.8017, 17.7650, 9.5774
YIQ	78.7160, 111.9500, 74.6860

Conversions

Conversions Part 2

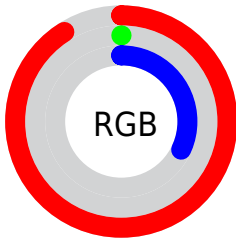
Format	Color
RYB	232, 0, 82
Decimal	15204434
CIELab	49.21, 76.63, 23.48
CIElCh	49, 80.145, 17.039
Yxy	17.7650, 0.5600, 0.2859
Android (android.graphics.Color)	4293394514 (0xFFE80052)
YUV	78.7160, 1.6190, 134.4301
Hunter-Lab	42.1485, 73.6260, 16.0315

Details

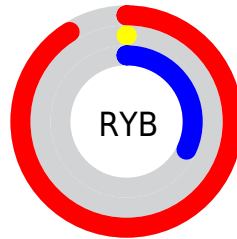
The XYZ color **34.8017, 17.7650, 9.5774** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **34.3665, 59.9170, 38.6310**, and the grayscale version is **7.3653, 7.7488, 8.4385**.

A 20% lighter version of the original color is **49.2511, 30.7274, 24.8079**, and **16.4983, 8.4648, 2.5980** is the 20% darker color. If you saturate the color by 10%, you get **34.8002, 17.7644, 9.5703**, and if you desaturate by 10%, it is **35.7479, 18.6418, 13.0243**.

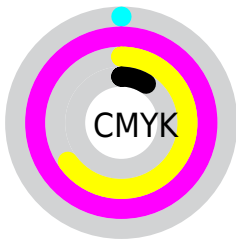
Distribution



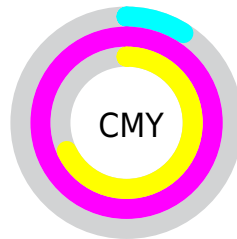
- Red (91%)
- Green (0%)
- Blue (32%)



- Red (91%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8017, 17.7650, 9.5774 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 34.8017, 17.7650, 9.5774 by changing the saturation by 10% instead.


 34.8017, 17.7650,
9.5774

 34.8017, 17.7650,
9.5774


315.2156,
239.5431, 198.0027


 23.6760, 10.7814,
5.0178


 66.5145, 39.6365,
25.5928


 15.2169, 5.9200,
2.1988


 87.8323, 55.2932,
37.8856

 9.0590, 2.7965,
0.6737


 113.2781, 74.6096,
53.5933

 4.8371, 1.0264,
0.0000

 143.2174, 97.9703,
73.1343

 2.1858, 0.0000,
0.0000

 178.0154,
125.7596, 96.9272

 0.7352, 0.0000,
0.0000

 218.0375,

 0.0000, 0.0000,

158.3619, 125.3905

0.0000

263.6491,
196.1616, 158.9429

■ 34.8017, 17.7650,
9.5774

■ 34.8017, 17.7650,
9.5774

■ 34.8002, 17.7644,
9.5703

■ 35.7479, 18.6418,
13.0243

■ 37.1984, 20.3155,
17.2921

■ 39.2786, 23.0256,
22.4566

■ 42.0637, 26.9124,
28.5744

■ 45.6176, 32.0941,
35.6967

■ 49.9965, 38.6743,
43.8702

■ 55.2514, 46.7459,
53.1384

■ 61.4288, 56.3939,
63.5421

■ 68.5719, 67.6968,
75.1200

Harmonies

Analogous

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



35.2344, 17.7650, 30.1830



34.8017, 17.7650, 9.5774



28.7651, 17.7650, 2.1169

Triad

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



34.8017, 17.7650, 9.5774



8.3671, 17.7650, 2.6298



13.8484, 17.7650, 94.1435

Complementary

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



34.8017, 17.7650, 9.5774



34.3665, 59.9170, 38.6310

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.



8.8306, 17.7650, 68.1538



34.8017, 17.7650, 9.5774



6.3584, 17.7650, 11.4697

Square

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



34.8017, 17.7650, 9.5774



12.9965, 17.7650, 0.5745



6.4981, 17.7650, 34.1726



21.4810, 17.7650, 91.9720

Rectangle

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



34.8017, 17.7650, 9.5774



23.1695, 17.7650, 0.7725



6.4981, 17.7650, 34.1726



11.8541, 17.7650, 87.9011

Sweetspot

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



34.8021, 17.7661, 9.5776



68.3433, 57.7334, 65.6334



26.5902, 12.0261, 77.2633



14.0102, 11.4033, 12.9725



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.



34.8021, 17.7661, 9.5776



43.0893, 21.9997, 11.6684



33.7683, 18.1348, 1.7222



14.5862, 14.4517, 16.0215



19.3740, 9.8838, 5.5986



1.4746, 0.7475, 0.6396

Inverse Universe

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



34.8021, 17.7661, 9.5776



43.0893, 21.9997, 11.6684



35.4699, 47.6341, 83.6683



14.5862, 14.4517, 16.0215



19.3740, 9.8838, 5.5986



1.4746, 0.7475, 0.6396

Previews

White Background



This preview shows how the XYZ color 34.8017, 17.7650, 9.5774 looks on a white background.

Color Contrast Check

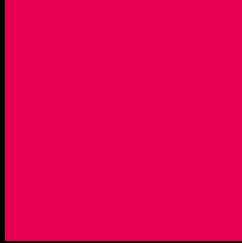
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8017, 17.7650, 9.5774 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 34.8017, 17.7650, 9.5774

Background



This preview shows how black text looks on a background with the XYZ color 34.8017, 17.7650, 9.5774.



This preview shows how white text looks on a background with the XYZ color 34.8017, 17.7650,

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

34.8017, 17.7650, 9.5774

Protanopia

17.6143, 18.3060, 20.3743

Deuteranopia

18.5764, 18.2074, 8.6662



Tritanopia

33.4113, 18.0044, 2.9425

Trichromacy



Original Color

34.8017, 17.7650, 9.5774



Protanomaly

19.8155, 13.6498, 15.2260



Deuteranomaly

21.5264, 14.3866, 8.4798



Tritanomaly

33.7775, 17.7470, 4.5510

Monochromacy



Original Color

34.8017, 17.7650, 9.5774



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.5802, 8.0113, 8.4727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8017, 17.7650, 9.5774 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 34.8017, 17.7650, 9.5774 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, 82) }
```


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

```
.border{ border-color:rgb(232, 0, 82) }
```

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, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8017, 17.7650, 9.5774 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, 82) }
```

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

```
.background{ background-color: rgb(232, 0,  
82) }
```

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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