

Converting Colors

XYZ(34.6002, 19.1524, 7.9119)

Have a look what the booklet for
XYZ(34.6002, 19.1524, 7.9119)
contains.

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Color

**XYZ(34.4274, 19.0669,
7.8270)**

Conversions

Conversions Part 1

Format	Color
Hex	E52E47
RGB	229, 46, 71
RGB Percent	90%, 18%, 28%
CMY	0.1020, 0.8195, 0.7216
CMYK	0.00, 0.80, 0.69, 0.10
HSL	352°, 78%, 54%
HSV	352°, 80%, 90%
XYZ	34.4274, 19.0669, 7.8270
YIQ	103.5670, 101.0430, 46.5710

Conversions

Conversions Part 2

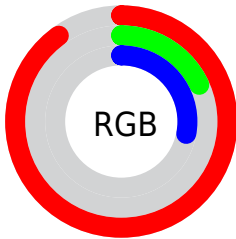
Format	Color
R_{YB}	229, 46, 71
Decimal	15019591
CIE Lab	50.77, 68.64, 31.95
CIE LCh	51, 75.709, 24.965
Yxy	19.0669, 0.5614, 0.3109
Android (android.graphics.Color)	4293209671 (0xFFE52E47)
YUV	103.5670, -16.0555, 110.0047
Hunter-Lab	43.6657, 64.3202, 19.9383

Details

The XYZ color **34.4274, 19.0669, 7.8270** 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 **40.0474, 60.9798, 66.7954**, and the grayscale version is **13.0669, 13.7474, 14.9709**.

A 20% lighter version of the original color is **50.1457, 33.7438, 21.3230**, and **15.7267, 8.0832, 1.8299** is the 20% darker color. If you saturate the color by 10%, you get **33.2241, 17.5163, 4.7882**, and if you desaturate by 10%, it is **36.3144, 21.6552, 12.1123**.

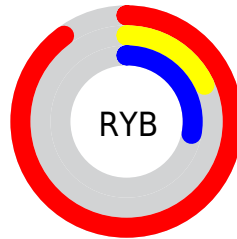
Distribution



Red (90%)

Green (18%)

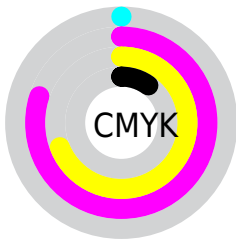
Blue (28%)



Red (90%)

Yellow (18%)

Blue (28%)

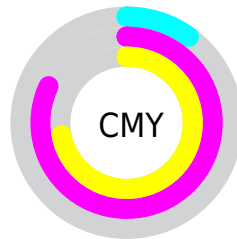


Cyan (0%)

Magenta (80%)

Yellow (69%)

Black (10%)



Cyan (10%)


Magenta (82%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4274, 19.0669, 7.8270 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 34.4274, 19.0669, 7.8270 by changing the saturation by 10% instead.


 34.4274, 19.0669,
7.8270


 34.4274, 19.0669,
7.8270


313.5861,
246.8178, 184.2524


 23.3866, 11.7186,
3.8983


 65.9376, 41.8471,
22.1591


 15.0015, 6.5524,
1.5697


 87.1378, 58.0478,
33.3996

 8.9067, 3.1838,
0.2691


 112.4551, 77.9682,
47.9144

 4.7370, 1.2284,
0.0000

 142.2548,
101.9925, 66.1221

 2.1270, 0.0847,
0.0000

 176.9025,
130.5053, 88.4412

 0.7038, 0.0000,
0.0000

216.7633,

 0.0000, 0.0000,

163.8908, 115.2903

0.0000

262.2028,
202.5335, 147.0878

■ 34.4274, 19.0669,
7.8270

■ 34.4274, 19.0669,
7.8270

■ 33.2241, 17.5163,
4.7882

■ 36.3144, 21.6552,
12.1123

■ 32.5686, 16.7639,
2.8471


■ 38.9684, 25.4180,
17.7607


■ 32.5637, 16.7582,
2.8333


■ 42.4620, 30.4749,
24.8761


■ 46.8588, 36.9297,
33.5519

■ 52.2163, 44.8758,
43.8737

 58.5870, 54.3984,
55.9209

 66.0199, 65.5764,
69.7676

 74.5606, 78.4832,
85.4837

 84.2519, 93.1880,
103.1354

Harmonies

Analogous

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



36.4302, 19.0669, 24.5673



34.4274, 19.0669, 7.8270



27.6360, 19.0669, 2.0403

Triad

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



34.4274, 19.0669, 7.8270



8.7529, 19.0669, 5.0063



16.8960, 19.0669, 94.1364

Complementary

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



34.4274, 19.0669, 7.8270



40.0474, 60.9798, 66.7954

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.



11.0892, 19.0669, 75.6049



34.4274, 19.0669, 7.8270



7.2824, 19.0669, 17.3690

Square

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



34.4274, 19.0669, 7.8270



12.7313, 19.0669, 1.3665



8.0026, 19.0669, 43.2925



24.8543, 19.0669, 84.4381

Rectangle

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



34.4274, 19.0669, 7.8270



22.0918, 19.0669, 1.0080



8.0026, 19.0669, 43.2925



14.6596, 19.0669, 90.7688

Sweetspot

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



34.4278, 19.0681, 7.8273



71.1665, 64.0263, 64.5816



39.3564, 20.1064, 75.9349



14.6194, 12.7884, 12.6616



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.



34.4278, 19.0681, 7.8273



41.7983, 21.6605, 4.3240



38.3887, 28.0201, 5.9715



14.4567, 14.3999, 15.3395



18.6438, 9.5917, 1.7534



1.4034, 0.7191, 0.2648

Inverse Universe

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



34.4278, 19.0681, 7.8273



41.7983, 21.6605, 4.3240



28.7172, 33.1324, 79.0099



14.4567, 14.3999, 15.3395



18.6438, 9.5917, 1.7534



1.4034, 0.7191, 0.2648

Previews

White Background



This preview shows how the XYZ color 34.4274, 19.0669, 7.8270 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.4274, 19.0669, 7.8270 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 34.4274, 19.0669, 7.8270

Background



This preview shows how black text looks on a background with the XYZ color 34.4274, 19.0669, 7.8270.



This preview shows how white text looks on a background with the XYZ color 34.4274, 19.0669,

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

34.4274, 19.0669, 7.8270

Protanopia

18.1428, 19.2427, 14.5624

Deuteranopia

19.4821, 19.2173, 7.0974



Tritanopia

33.7331, 19.0142, 5.0241

Trichromacy



Original Color

34.4274, 19.0669, 7.8270

Protanomaly

21.3229, 16.7260, 11.5558

Deuteranomaly

23.0553, 17.3288, 7.1307

Tritanomaly

33.8569, 18.9961, 5.8851

Monochromacy



Original Color

34.4274, 19.0669, 7.8270

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

17.4194, 13.3488, 11.7837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4274, 19.0669, 7.8270 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(229, 46, 71)` looks like.

```
.text, #text, p{  
    color:rgb(229, 46, 71)  
}
```

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(229, 46, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 46, 71) }
```

Border

The CSS property to change the border of an element to XYZ 34.4274, 19.0669, 7.8270 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(229, 46, 71) }
```


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

```
.border{ border-color:rgb(229, 46, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 46, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 46, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 46, 71);  
box-shadow:4px 4px 4px 4px rgb(229, 46,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4274, 19.0669, 7.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 46, 71) }
```

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

```
.background{ background-color: rgb(229, 46,  
71) }
```

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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