

Converting Colors

XYZ(34.1862, 17.9988, 9.0828)

Have a look what the booklet for
XYZ(34.1862, 17.9988, 9.0828)
contains.

XYZ(34.0938, 17.9613, 9.0671)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.0938, 17.9613,
9.0671)**

Conversions

Conversions Part 1

Format	Color
Hex	E51A4F
RGB	229, 26, 79
RGB Percent	90%, 10%, 31%
CMY	0.1020, 0.8979, 0.6902
CMYK	0.00, 0.89, 0.66, 0.10
HSL	344°, 80%, 50%
HSV	344°, 89%, 90%
XYZ	34.0938, 17.9613, 9.0671
YIQ	92.7390, 103.9750, 59.5190

Conversions

Conversions Part 2

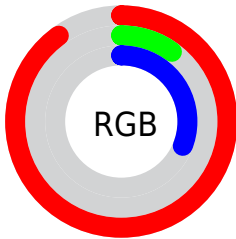
Format	Color
R_{YB}	229, 26, 79
Decimal	15014479
CIE _{Lab}	49.45, 73.15, 25.51
CIE _{LCh}	49, 77.473, 19.222
Yxy	17.9613, 0.5578, 0.2939
Android (android.graphics.Color)	4293204559 (0xFFE51A4F)
YUV	92.7390, -6.7733, 119.5009
Hunter-Lab	42.3808, 69.4304, 16.9818

Details

The XYZ color **34.0938, 17.9613, 9.0671** 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 **36.2848, 59.3939, 50.6392**, and the grayscale version is **10.3450, 10.8838, 11.8524**.

A 20% lighter version of the original color is **49.6935, 31.9329, 23.9666**, and **15.8204, 8.1207, 2.3237** is the 20% darker color. If you saturate the color by 10%, you get **33.2185, 17.0744, 6.1134**, and if you desaturate by 10%, it is **35.5160, 19.6915, 12.9769**.

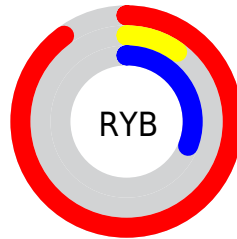
Distribution



Red (90%)

Green (10%)

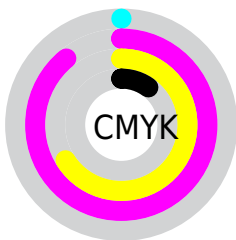
Blue (31%)



Red (90%)

Yellow (10%)

Blue (31%)

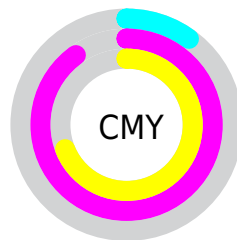


Cyan (0%)

Magenta (89%)

Yellow (66%)

Black (10%)



Cyan (10%)


Magenta (90%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0938, 17.9613, 9.0671 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 34.0938, 17.9613, 9.0671 by changing the saturation by 10% instead.


 34.0938, 17.9613,
9.0671


 34.0938, 17.9613,
9.0671


312.1287,
240.6528, 194.1141


 23.1289, 10.9222,
4.6876


 65.4228, 39.9714,
24.6051


 14.8099, 6.0145,
2.0096


 86.5177, 55.7111,
36.6007


 8.7715, 2.8539,
0.5612


 111.7199, 75.1199,
51.9721

 4.6484, 1.0560,
0.0000

 141.3948, 98.5821,
71.1377

 2.0751, 0.0000,
0.0000

 175.9078,
126.4821, 94.5162

 0.6756, 0.0000,
0.0000

 215.6242,

 0.0000, 0.0000,

159.2043, 122.5261

0.0000

260.9093,
197.1331, 155.5859

■ 34.0938, 17.9613,
9.0671

■ 34.0938, 17.9613,
9.0671

■ 33.2185, 17.0744,
6.1134

■ 35.5160, 19.6915,
12.9769

■ 33.1224, 16.9817,
5.7748

■ 37.5911, 22.4590,
17.9314

■ 40.3944, 26.3986,
24.0048

■ 43.9899, 31.6239,
31.2633

■ 48.4344, 38.2347,
39.7681

■ 53.7793, 46.3212,
49.5755

■ 60.0718, 55.9657,
60.7384

■ 67.3559, 67.2446,
73.3070

■ 75.6726, 80.2291,
87.3284

Harmonies

Analogous

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



34.9509, 17.9613, 28.0980



34.0938, 17.9613, 9.0671



28.0040, 17.9613, 2.1643

Triad

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



34.0938, 17.9613, 9.0671



8.4825, 17.9613, 3.2821



14.5742, 17.9613, 91.8137

Complementary

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



34.0938, 17.9613, 9.0671



36.2848, 59.3939, 50.6392

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.



9.4347, 17.9613, 68.6645



34.0938, 17.9613, 9.0671



6.6473, 17.9613, 12.9498

Square

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



34.0938, 17.9613, 9.0671



12.8472, 17.9613, 0.8462



6.9372, 17.9613, 36.0415



22.1334, 17.9613, 87.5768

Rectangle

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



34.0938, 17.9613, 9.0671



22.5630, 17.9613, 0.8965



6.9372, 17.9613, 36.0415



12.5525, 17.9613, 86.5641

Sweetspot

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



34.0942, 17.9624, 9.0674



69.7439, 60.8064, 65.2627



32.1635, 15.4964, 75.4243



14.3850, 12.1880, 12.9890



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.



34.0942, 17.9624, 9.0674



42.2398, 21.6599, 7.1946



34.9077, 21.5487, 3.2983



14.5306, 14.4294, 15.7287



18.9798, 9.7262, 3.5228



1.4399, 0.7337, 0.4571

Inverse Universe

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



34.0942, 17.9624, 9.0674



42.2398, 21.6599, 7.1946



31.2236, 39.1853, 80.0463



14.5306, 14.4294, 15.7287



18.9798, 9.7262, 3.5228



1.4399, 0.7337, 0.4571

Previews

White Background



This preview shows how the XYZ color 34.0938, 17.9613, 9.0671 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 34.0938, 17.9613, 9.0671 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 34.0938, 17.9613, 9.0671

Background



This preview shows how black text looks on a background with the XYZ color 34.0938, 17.9613, 9.0671.



This preview shows how white text looks on a background with the XYZ color 34.0938, 17.9613,

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

34.0938, 17.9613, 9.0671

Protanopia

17.5417, 18.3093, 18.5291

Deuteranopia

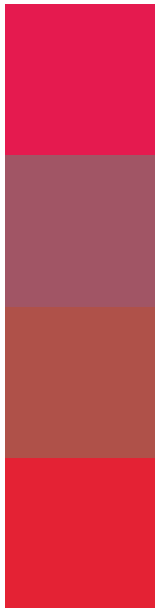
18.4809, 18.1692, 8.1632



Tritanopia

33.0544, 18.0786, 3.4976

Trichromacy



Original Color

34.0938, 17.9613, 9.0671

Protanomaly

20.2954, 15.0137, 14.1402

Deuteranomaly

21.8242, 15.4799, 8.1410

Tritanomaly

33.1868, 17.8860, 4.9520

Monochromacy



Original Color

34.0938, 17.9613, 9.0671

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

15.0449, 10.7116, 10.5071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0938, 17.9613, 9.0671 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, 26, 79)` looks like.

```
.text, #text, p{  
    color:rgb(229, 26, 79)  
}
```

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, 26, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 26, 79) }
```

Border

The CSS property to change the border of an element to XYZ 34.0938, 17.9613, 9.0671 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, 26, 79) }
```


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

```
.border{ border-color:rgb(229, 26, 79) }
```

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

Here you see how a box with a 4 pixel rgb(229, 26, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 26, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 26, 79);  
box-shadow:4px 4px 4px 4px rgb(229, 26,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0938, 17.9613, 9.0671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 26, 79) }
```

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

```
.background{ background-color: rgb(229, 26,  
79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor