

Converting Colors

XYZ(34.5094, 17.1889, 28.7837)

Have a look what the booklet for
XYZ(34.5094, 17.1889, 28.7837)
contains.

XYZ(34.4017, 17.1354, 28.6884)	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(34.4017, 17.1354,
28.6884)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0092
RGB	219, 0, 146
RGB Percent	86%, 0%, 57%
CMY	0.1412, 0.9998, 0.4274
CMYK	0.00, 1.00, 0.33, 0.14
HSL	320°, 100%, 43%
HSV	320°, 100%, 86%
XYZ	34.4017, 17.1354, 28.6884
YIQ	82.1250, 83.6580, 91.8340

Conversions

Conversions Part 2

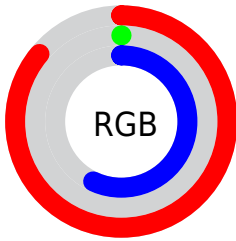
Format	Color
R_{YB}	219, 0, 146
Decimal	14352530
CIE _{Lab}	48.43, 78.61, -17.13
CIE _{LCh}	48, 80.457, 347.707
Yxy	17.1354, 0.4288, 0.2136
Android (android.graphics.Color)	4292542610 (0xFFDB0092)
YUV	82.1250, 31.4904, 120.0394
Hunter-Lab	41.3949, 75.9032, -12.1140

Details

The XYZ color **34.4017, 17.1354, 28.6884** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **26.5361, 51.1449, 14.7844**, and the grayscale version is **7.9772, 8.3926, 9.1395**.

A 20% lighter version of the original color is **55.5797, 33.2588, 58.1338**, and **16.1661, 8.0953, 11.5370** is the 20% darker color. If you saturate the color by 10%, you get **34.4006, 17.1349, 28.6825**, and if you desaturate by 10%, it is **35.2740, 17.9417, 31.8717**.

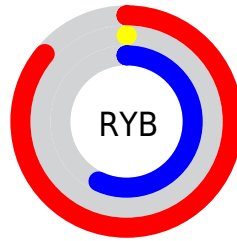
Distribution



Red (86%)

Green (0%)

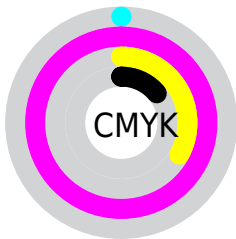
Blue (57%)



Red (86%)

Yellow (0%)

Blue (57%)

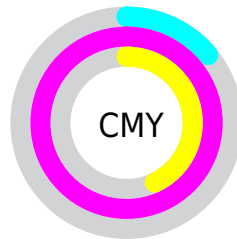


Cyan (0%)

Magenta (100%)

Yellow (33%)

Black (14%)



Cyan (14%)

Magenta (100%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4017, 17.1354, 28.6884 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 34.4017, 17.1354, 28.6884 by changing the saturation by 10% instead.

 34.4017, 17.1354,
28.6884


 34.4017, 17.1354,
28.6884


313.4740,
235.9514, 309.7567

 23.3667, 10.3311,
18.6017


 65.8980, 38.5584,
58.6179


 14.9867, 5.6190,
11.2089


 87.0900, 53.9459,
79.2978


 8.8963, 2.6148,
6.0916


 112.3985, 72.9633,
104.3458

 4.7302, 0.9341,
2.8312

 142.1887, 95.9948,
134.1805

 2.1230, 0.0000,
1.0091

 176.8259,
123.4251, 169.2203

 0.7016, 0.0000,
0.0000

 216.6757,

 0.0000, 0.0000,

155.6383, 209.8840

0.0000

262.1033,
193.0190, 256.5899

■ 34.4017, 17.1354,
28.6884

■ 34.4017, 17.1354,
28.6884

■ 34.4006, 17.1349,
28.6825

■ 35.2740, 17.9417,
31.8717

■ 36.5064, 19.4091,
35.3572

■ 38.2057, 21.7503,
39.1838

■ 40.4321, 25.0845,
43.3744

■ 43.2364, 29.5123,
47.9491

■ 46.6629, 35.1216,
52.9255

■ 50.7518, 41.9917,
58.3200

■ 55.5395, 50.1946,
64.1474

■ 61.0600, 59.7971,
70.4217

Harmonies

Analogous

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



29.1616, 17.1354, 61.3933



34.4017, 17.1354, 28.6884



33.8352, 17.1354, 8.8443

Triad

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



34.4017, 17.1354, 28.6884



12.3496, 17.1354, 0.4793



8.4976, 17.1354, 67.5800

Complementary

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



34.4017, 17.1354, 28.6884



26.5361, 51.1449, 14.7844

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.



6.1813, 17.1354, 33.9030



34.4017, 17.1354, 28.6884



7.8995, 17.1354, 2.5133

Square

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



34.4017, 17.1354, 28.6884



19.4902, 17.1354, 0.3418



6.0016, 17.1354, 11.2887



13.4549, 17.1354, 92.9101

Rectangle

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



34.4017, 17.1354, 28.6884



30.2485, 17.1354, 3.2245



6.0016, 17.1354, 11.2887



7.4585, 17.1354, 56.0578

Sweetspot

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



34.4022, 17.1364, 28.6887



71.4721, 58.9850, 82.1098



15.5366, 6.5331, 67.4600



14.7499, 11.6992, 16.8676



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.



34.4022, 17.1364, 28.6887



48.4941, 24.1616, 40.1296



29.5406, 15.1917, 3.0877



13.4202, 13.1972, 15.4741



20.4507, 10.1813, 17.2851



1.3643, 0.6753, 1.3271

Inverse Universe

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



34.4022, 17.1364, 28.6887



48.4941, 24.1616, 40.1296



33.8281, 54.0617, 53.1834



13.4202, 13.1972, 15.4741



20.4507, 10.1813, 17.2851



1.3643, 0.6753, 1.3271

Previews

White Background



This preview shows how the XYZ color 34.4017, 17.1354, 28.6884 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 34.4017, 17.1354, 28.6884 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4017, 17.1354, 28.6884

Background



This preview shows how black text looks on a background with the XYZ color 34.4017, 17.1354, 28.6884.



This preview shows how white text looks on a background with the XYZ color 34.4017, 17.1354,

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

34.4017, 17.1354, 28.6884

Protanopia

20.1984, 18.0158, 62.7344

Deuteranopia

18.0690, 17.7341, 25.7632



Tritanopia

29.7692, 17.4985, 6.0835

Trichromacy



Original Color

34.4017, 17.1354, 28.6884



Protanomaly

19.7029, 12.6702, 47.8615



Deuteranomaly

20.6337, 13.6271, 26.3537



Tritanomaly

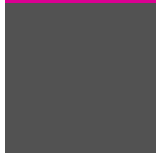
30.5742, 16.5255, 11.4758

Monochromacy



Original Color

34.4017, 17.1354, 28.6884



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.2935, 8.3814, 14.2817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4017, 17.1354, 28.6884 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(219, 0, 146)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 146)  
}
```

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(219, 0, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 146) }
```

Border

The CSS property to change the border of an element to XYZ 34.4017, 17.1354, 28.6884 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(219, 0, 146) }
```


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

```
.border{ border-color:rgb(219, 0, 146) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4017, 17.1354, 28.6884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 146) }
```

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

```
.background{ background-color: rgb(219, 0,  
146) }
```

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