

Converting Colors

XYZ(34.2884, 17.3733, 15.2947)

Have a look what the booklet for
XYZ(34.2884, 17.3733, 15.2947)
contains.

XYZ(34.2801, 17.3715, 15.1819)	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(34.2801, 17.3715,
15.1819)**

Conversions

Conversions Part 1

Format	Color
Hex	E3006A
RGB	227, 0, 106
RGB Percent	89%, 0%, 42%
CMY	0.1098, 0.9998, 0.5843
CMYK	0.00, 1.00, 0.53, 0.11
HSL	332°, 100%, 45%
HSV	332°, 100%, 89%
XYZ	34.2801, 17.3715, 15.1819
YIQ	79.9570, 101.2660, 81.0900

Conversions

Conversions Part 2

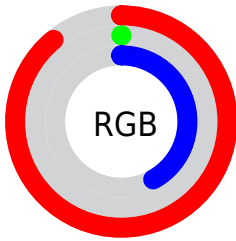
Format	Color
R_{YB}	227, 0, 106
Decimal	14876778
CIE _{Lab}	48.72, 76.92, 7.88
CIE _{LCh}	49, 77.325, 5.853
Yxy	17.3715, 0.5129, 0.2599
Android (android.graphics.Color)	4293066858 (0xFFE3006A)
YUV	79.9570, 12.8392, 128.9567
Hunter-Lab	41.6791, 73.8735, 7.5786

Details

The XYZ color **34.2801, 17.3715, 15.1819** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **30.9239, 56.3201, 27.3461**, and the grayscale version is **7.5840, 7.9789, 8.6891**.

A 20% lighter version of the original color is **51.2402, 31.5230, 35.2822**, and **16.0993, 8.2083, 4.8735** is the 20% darker color. If you saturate the color by 10%, you get **34.2786, 17.3709, 15.1747**, and if you desaturate by 10%, it is **35.2561, 18.2442, 18.8349**.

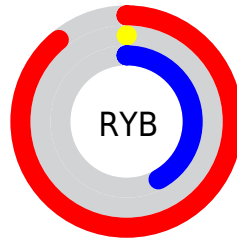
Distribution



Red (89%)

Green (0%)

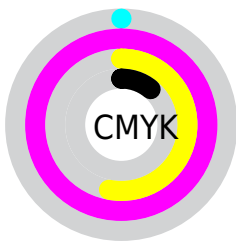
Blue (42%)



Red (89%)

Yellow (0%)

Blue (42%)

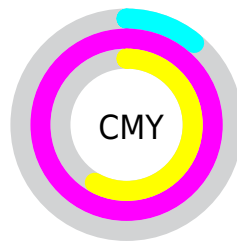


Cyan (0%)

Magenta (100%)

Yellow (53%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2801, 17.3715, 15.1819 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 34.2801, 17.3715, 15.1819 by changing the saturation by 10% instead.


 34.2801, 17.3715,
15.1819


 34.2801, 17.3715,
15.1819


312.9432,
237.3042, 236.1432


 23.2728, 10.4997,
8.7991


 65.7104, 38.9634,
35.9188


 14.9169, 5.7315,
4.5154


 86.8641, 54.4523,
51.1099


 8.8470, 2.6825,
1.9121


 112.1306, 73.5824,
70.0743

 4.6978, 0.9683,
0.5004

 141.8753, 96.7381,
93.2304

 2.1040, 0.0000,
0.0000

 176.4636,
124.3037, 120.9968

 0.6914, 0.0000,
0.0000

 216.2608,

 0.0000, 0.0000,

156.6637, 153.7921

0.0000

261.6322,
194.2024, 192.0347

■ 34.2801, 17.3715,
15.1819

■ 34.2801, 17.3715,
15.1819

■ 34.2786, 17.3709,
15.1747

■ 35.2561, 18.2442,
18.8349

■ 36.6772, 19.8594,
23.0916

■ 38.6603, 22.4455,
28.0074

■ 41.2738, 26.1342,
33.6205

■ 44.5753, 31.0362,
39.9650

■ 48.6158, 37.2488,
47.0719

■ 53.4410, 44.8591,
54.9700

■ 59.0930, 53.9468,
63.6865

■ 65.6105, 64.5855,
73.2469

Harmonies

Analogous

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



32.4741, 17.3715, 39.9894



34.2801, 17.3715, 15.1819



30.3257, 17.3715, 3.9674

Triad

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



34.2801, 17.3715, 15.1819



9.7048, 17.3715, 1.5935



11.5075, 17.3715, 82.2586

Complementary

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



34.2801, 17.3715, 15.1819



30.9239, 56.3201, 27.3461

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.



7.6961, 17.3715, 52.5540



34.2801, 17.3715, 15.1819



6.8848, 17.3715, 6.9586

Square

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



34.2801, 17.3715, 15.1819



15.1503, 17.3715, 0.4954



6.2733, 17.3715, 23.2139



17.9510, 17.3715, 91.1839

Rectangle

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



34.2801, 17.3715, 15.1819



25.4786, 17.3715, 1.4679



6.2733, 17.3715, 23.2139



9.9415, 17.3715, 73.6814

Sweetspot

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



34.2805, 17.3726, 15.1822



69.4250, 58.1661, 71.3295



21.2431, 9.3504, 73.3580



14.2639, 11.5048, 14.3082



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.



34.2805, 17.3726, 15.1822



44.5725, 22.5930, 19.4786



31.7203, 16.4142, 1.4978



14.6556, 14.4794, 16.3867



20.0492, 10.1539, 9.1541



1.5281, 0.7690, 0.9217

Inverse Universe

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



34.2805, 17.3726, 15.1822



44.5725, 22.5930, 19.4786



40.3115, 58.4379, 81.8279



14.6556, 14.4794, 16.3867



20.0492, 10.1539, 9.1541



1.5281, 0.7690, 0.9217

Previews

White Background



This preview shows how the XYZ color 34.2801, 17.3715, 15.1819 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



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 34.2801, 17.3715, 15.1819

Background



This preview shows how black text looks on a background with the XYZ color 34.2801, 17.3715, 15.1819.



This preview shows how white text looks on a background with the XYZ color 34.2801, 17.3715,

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

34.2801, 17.3715, 15.1819

Protanopia

18.2625, 18.0120, 33.0860

Deuteranopia

18.2161, 17.9076, 13.8057



Tritanopia

31.9864, 17.6704, 3.9153

Trichromacy



Original Color

34.2801, 17.3715, 15.1819



Protanomaly

19.7266, 13.2830, 25.1911



Deuteranomaly

20.9798, 13.9898, 13.6511



Tritanomaly

32.3974, 17.1731, 6.6082

Monochromacy



Original Color

34.2801, 17.3715, 15.1819



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.6599, 8.0755, 10.3427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2801, 17.3715, 15.1819 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(227, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 106)  
}
```

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(227, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 106) }
```

Border

The CSS property to change the border of an element to XYZ 34.2801, 17.3715, 15.1819 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(227, 0, 106) }
```


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

```
.border{ border-color:rgb(227, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2801, 17.3715, 15.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 106) }
```

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

```
.background{ background-color: rgb(227, 0,  
106) }
```

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