

Converting Colors

XYZ(35.7228, 18.0403, 18.6333)

Have a look what the booklet for
XYZ(35.7228, 18.0403, 18.6333)
contains.

XYZ(35.5831, 17.9660, 18.7319)	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(35.5831, 17.9660,
18.7319)**

Conversions

Conversions Part 1

Format	Color
Hex	E50076
RGB	229, 0, 118
RGB Percent	90%, 0%, 46%
CMY	0.1020, 0.9998, 0.5373
CMYK	0.00, 1.00, 0.48, 0.10
HSL	329°, 100%, 45%
HSV	329°, 100%, 90%
XYZ	35.5831, 17.9660, 18.7319
YIQ	81.9230, 98.6060, 85.2460

Conversions

Conversions Part 2

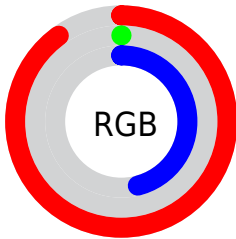
Format	Color
R_{YB}	229, 0, 118
Decimal	15007862
CIE _{Lab}	49.45, 78.23, 1.62
CIE _{LCh}	49, 78.245, 1.186
Yxy	17.9660, 0.4923, 0.2486
Android (android.graphics.Color)	4293197942 (0xFFE50076)
YUV	81.9230, 17.7860, 128.9865
Hunter-Lab	42.3863, 75.6738, 3.4682

Details

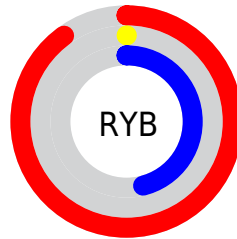
The XYZ color **35.5831, 17.9660, 18.7319** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **30.8918, 57.1876, 24.4634**, and the grayscale version is **7.9619, 8.3765, 9.1220**.

A 20% lighter version of the original color is **52.4984, 32.1677, 41.4722**, and **17.0418, 8.6577, 6.5672** is the 20% darker color. If you saturate the color by 10%, you get **35.5816, 17.9654, 18.7243**, and if you desaturate by 10%, it is **36.5877, 18.8565, 22.5160**.

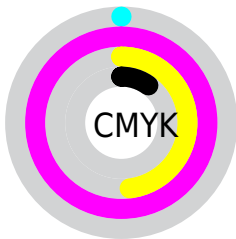
Distribution



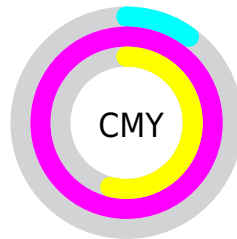
- Red (90%)
- Green (0%)
- Blue (46%)



- Red (90%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5831, 17.9660, 18.7319 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 35.5831, 17.9660, 18.7319 by changing the saturation by 10% instead.


 35.5831, 17.9660,
18.7319


 35.5831, 17.9660,
18.7319


318.5978,
240.6793, 257.3379


 24.2810, 10.9256,
11.3019


 67.7162, 39.9794,
42.1112


 15.6681, 6.0168,
6.1535


 89.2779, 55.7211,
58.8976


 9.3789, 2.8553,
2.8684


 114.9902, 75.1321,
79.6398

 5.0482, 1.0567,
1.0278

 145.2184, 98.5967,
104.7565

 2.3106, 0.0000,
0.0000

 180.3279,
126.4994, 134.6661

 0.8001, 0.0000,
0.0000

 220.6841,

 0.0000, 0.0000,

159.2244, 169.7871

0.0000

266.6523,
197.1563, 210.5382

■ 35.5831, 17.9660,
18.7319

■ 35.5831, 17.9660,
18.7319

■ 35.5816, 17.9654,
18.7243

■ 36.5877, 18.8565,
22.5160

■ 38.0329, 20.4998,
26.8426

■ 40.0367, 23.1279,
31.7632

■ 42.6680, 26.8750,
37.3123

■ 45.9851, 31.8541,
43.5203

■ 50.0391, 38.1641,
50.4150

■ 54.8762, 45.8938,
58.0219

■ 60.5385, 55.1244,
66.3651

■ 67.0651, 65.9308,
75.4672

Harmonies

Analogous

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



32.7945, 17.9660, 46.4562



35.5831, 17.9660, 18.7319



32.3423, 17.9660, 5.1516

Triad

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



35.5831, 17.9660, 18.7319



10.7252, 17.9660, 1.3174



11.1031, 17.9660, 81.2567

Complementary

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



35.5831, 17.9660, 18.7319



30.8918, 57.1876, 24.4634

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.



7.5774, 17.9660, 49.1009



35.5831, 17.9660, 18.7319



7.4077, 17.9660, 5.7744

Square

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



35.5831, 17.9660, 18.7319



16.7838, 17.9660, 0.4921



6.4463, 17.9660, 20.4161



17.3719, 17.9660, 94.9572

Rectangle

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



35.5831, 17.9660, 18.7319



27.6190, 17.9660, 1.9011



6.4463, 17.9660, 20.4161



9.6293, 17.9660, 71.4783

Sweetspot

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



35.5836, 17.9671, 18.7322



69.9033, 58.3574, 73.8486



20.6624, 9.0189, 74.7803



14.3768, 11.5499, 14.9028



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.



35.5836, 17.9671, 18.7322



45.3619, 22.9088, 23.6357



32.3347, 16.6675, 1.6239



14.6854, 14.4914, 16.5439



20.4050, 10.2962, 11.0278



1.5548, 0.7796, 1.0620

Inverse Universe

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



35.5836, 17.9671, 18.7322



45.3619, 22.9088, 23.6357



41.6356, 61.4851, 81.0391



14.6854, 14.4914, 16.5439



20.4050, 10.2962, 11.0278



1.5548, 0.7796, 1.0620

Previews

White Background



This preview shows how the XYZ color 35.5831, 17.9660, 18.7319 looks on a white background.

Color Contrast Check

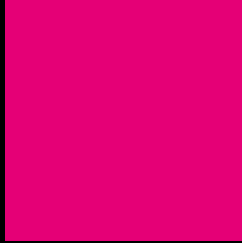
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.5831, 17.9660, 18.7319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

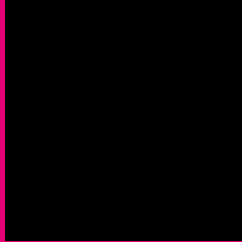
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.5831, 17.9660, 18.7319

Background



This preview shows how black text looks on a background with the XYZ color 35.5831, 17.9660, 18.7319.

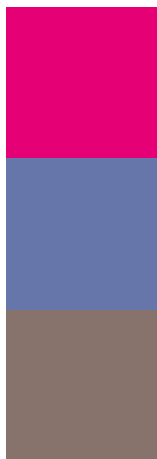


This preview shows how white text looks on a background with the XYZ color 35.5831, 17.9660,

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

35.5831, 17.9660, 18.7319

Protanopia

19.3277, 18.7427, 40.6292

Deuteranopia

18.8292, 18.4951, 16.7649



Tritanopia

32.8936, 18.4070, 4.5085

Trichromacy



Original Color

35.5831, 17.9660, 18.7319



Protanomaly

20.4964, 13.6561, 30.8338



Deuteranomaly

21.6694, 14.3700, 16.9608



Tritanomaly

33.3454, 17.7405, 7.9701

Monochromacy



Original Color

35.5831, 17.9660, 18.7319



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.2852, 8.4331, 11.7540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5831, 17.9660, 18.7319 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, 0, 118)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 118)  
}
```

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, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 118) }
```

Border

The CSS property to change the border of an element to XYZ 35.5831, 17.9660, 18.7319 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, 0, 118) }
```


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

```
.border{ border-color:rgb(229, 0, 118) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5831, 17.9660, 18.7319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 118) }
```

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

```
.background{ background-color: rgb(229, 0,  
118) }
```

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