

# Converting Colors

XYZ(32.9475, 13.3850, 15.1126)

Have a look what the booklet for  
XYZ(32.9475, 13.3850, 15.1126)  
contains.

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# Color

**XYZ(35.0199, 17.7407,  
15.7659)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5006C
RGB	229, 0, 108
RGB Percent	90%, 0%, 42%
CMY	0.1020, 0.9998, 0.5765
CMYK	0.00, 1.00, 0.53, 0.10
HSL	332°, 100%, 45%
HSV	332°, 100%, 90%
XYZ	35.0199, 17.7407, 15.7659
YIQ	80.7830, 101.8160, 82.1360

# Conversions

## Conversions Part 2

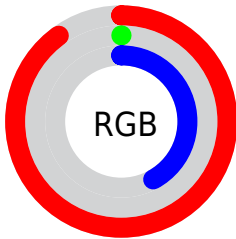
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 0, 108
Decimal	15007852
CIE <sub>Lab</sub>	49.18, 77.50, 7.36
CIE <sub>LCh</sub>	49, 77.850, 5.423
Yxy	17.7407, 0.5110, 0.2589
Android (android.graphics.Color)	4293197932 (0xFFE5006C)
YUV	80.7830, 13.4180, 129.9863
Hunter-Lab	42.1197, 74.7021, 7.2909

# Details

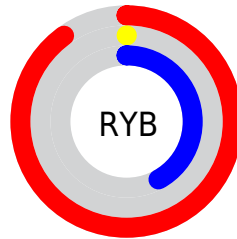
The XYZ color **35.0199, 17.7407, 15.7659** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **31.4741, 57.4205, 27.5294**, and the grayscale version is **7.7440, 8.1473, 8.8724**.

A 20% lighter version of the original color is **51.4124, 31.5919, 36.1890**, and **16.5682, 8.4439, 5.1715** is the 20% darker color. If you saturate the color by 10%, you get **35.0184, 17.7401, 15.7586**, and if you desaturate by 10%, it is **36.0148, 18.6273, 19.4993**.

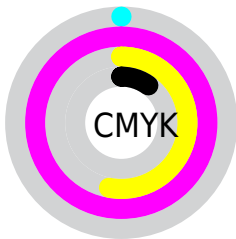
# Distribution



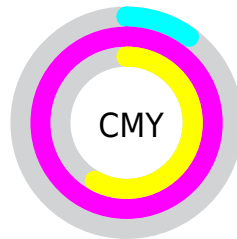
- Red (90%)
- Green (0%)
- Blue (42%)



- Red (90%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0199, 17.7407, 15.7659 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 35.0199, 17.7407, 15.7659 by changing the saturation by 10% instead.





 35.0199, 17.7407,  
15.7659


 35.0199, 17.7407,  
15.7659


316.1626,  
239.4054, 239.7547


 23.8448, 10.7640,  
9.2061

 66.8504, 39.5950,  
36.9524

 15.3426, 5.9084,  
4.7772


 88.2365, 55.2413,  
52.4162


 9.1481, 2.7894,  
2.0607


 113.7570, 74.5464,  
71.6851

 4.8958, 1.0228,  
0.5922

 143.7773, 97.8945,  
95.1776

 2.2204, 0.0000,  
0.0000

 178.6626,  
125.6700, 123.3123

 0.7534, 0.0000,  
0.0000

 218.7783,

 0.0000, 0.0000,

158.2574, 156.5077

0.0000

264.4899,  
196.0411, 195.1823

■ 35.0199, 17.7407,  
15.7659

■ 35.0199, 17.7407,  
15.7659

■ 35.0184, 17.7401,  
15.7586

■ 36.0148, 18.6273,  
19.4993

■ 37.4631, 20.2718,  
23.8419

■ 39.4834, 22.9065,  
28.8496

■ 42.1455, 26.6659,  
34.5608

■ 45.5083, 31.6633,  
41.0100

■ 49.6238, 37.9978,  
48.2285

■ 54.5388, 45.7587,  
56.2453

■ 60.2959, 55.0271,  
65.0877

■ 66.9348, 65.8784,  
74.7814

# Harmonies

## Analogous

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



33.0913, 17.7407, 41.2864



35.0199, 17.7407, 15.7659



31.0581, 17.7407, 4.1409

# Triad

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



35.0199, 17.7407, 15.7659



9.9726, 17.7407, 1.5953



11.6780, 17.7407, 83.6522

# Complementary

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



35.0199, 17.7407, 15.7659



31.4741, 57.4205, 27.5294

# 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.



7.8245, 17.7407, 53.1770



35.0199, 17.7407, 15.7659



7.0571, 17.7407, 6.9685

# Square

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



35.0199, 17.7407, 15.7659



15.5718, 17.7407, 0.5098



6.4030, 17.7407, 23.3640



18.2216, 17.7407, 93.1783



# Rectangle

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



35.0199, 17.7407, 15.7659



26.1336, 17.7407, 1.5318



6.4030, 17.7407, 23.3640



10.0924, 17.7407, 74.8069

# Sweetspot

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



35.0204, 17.7418, 15.7662



69.4706, 58.1843, 71.5698



21.6609, 9.5336, 74.8271



14.2746, 11.5091, 14.3649



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.



35.0204, 17.7418, 15.7662



44.6443, 22.6217, 19.8570



32.3553, 16.7420, 1.5276



14.6585, 14.4806, 16.4018



20.0817, 10.1669, 9.3250



1.5306, 0.7699, 0.9346



# Inverse Universe

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



35.0204, 17.7418, 15.7662



44.6443, 22.6217, 19.8570



41.1184, 59.6074, 83.4668



14.6585, 14.4806, 16.4018



20.0817, 10.1669, 9.3250



1.5306, 0.7699, 0.9346



# Previews

## White Background



This preview shows how the XYZ color 35.0199, 17.7407, 15.7659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

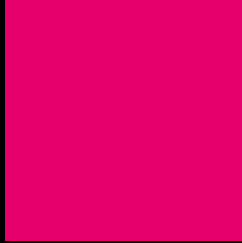
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0199, 17.7407, 15.7659 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 35.0199, 17.7407, 15.7659**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0199, 17.7407, 15.7659.



This preview shows how white text looks on a background with the XYZ color 35.0199, 17.7407,



# 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

35.0199, 17.7407, 15.7659

### Protanopia

18.5464, 18.3110, 34.0094

### Deuteranopia

18.5384, 18.2348, 14.0979



## Tritanopia

32.6458, 18.0637, 3.9565

# Trichromacy



## Original Color

35.0199, 17.7407, 15.7659



## Protanomaly

20.0579, 13.4370, 25.9625



## Deuteranomaly

21.3584, 14.2704, 14.1991



## Tritanomaly

33.0539, 17.5081, 6.7915

# Monochromacy



## Original Color

35.0199, 17.7407, 15.7659



## Achromatopsia

7.8210, 8.2283, 8.9606



## Achromatomaly

13.1080, 8.3622, 10.8207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0199, 17.7407, 15.7659 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0199, 17.7407, 15.7659 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, 108) }
```



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

```
.border{ border-color:rgb(229, 0, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0199, 17.7407, 15.7659 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, 108) }
```

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

```
.background{ background-color: rgb(229, 0,  
108) }
```

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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