

# Converting Colors

XYZ(35.5279, 17.0878, 57.1217)

Have a look what the booklet for  
XYZ(35.5279, 17.0878, 57.1217)  
contains.

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# Color

**XYZ(35.5625, 17.1016,  
57.3037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC00CA
RGB	204, 0, 202
RGB Percent	80%, 0%, 79%
CMY	0.2000, 0.9999, 0.2078
CMYK	0.00, 1.00, 0.01, 0.20
HSL	301°, 100%, 40%
HSV	301°, 100%, 80%
XYZ	35.5625, 17.1016, 57.3037
YIQ	84.0240, 56.7420, 106.0700

# Conversions

## Conversions Part 2

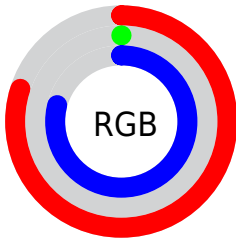
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 0, 202
Decimal	13369546
CIE <sub>Lab</sub>	48.39, 82.76, -50.46
CIE <sub>LCh</sub>	48, 96.929, 328.628
Yxy	17.1016, 0.3234, 0.1555
Android (android.graphics.Color)	4291559626 (0xFFCC00CA)
YUV	84.0240, 58.1622, 105.2190
Hunter-Lab	41.3541, 81.1317, -53.2094

# Details

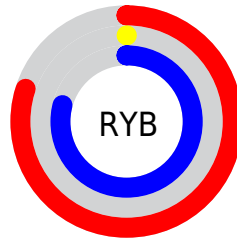
The XYZ color **35.5625, 17.1016, 57.3037** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **21.6046, 43.1910, 7.2562**, and the grayscale version is **8.3107, 8.7435, 9.5217**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **16.9435, 8.1263, 28.2793** is the 20% darker color. If you saturate the color by 10%, you get **35.5629, 17.1018, 57.3038**, and if you desaturate by 10%, it is **35.8444, 17.6268, 57.5148**.

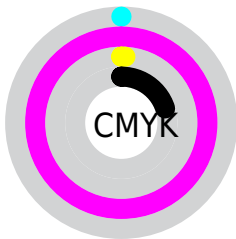
# Distribution



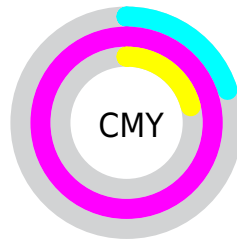
- Red (80%)
- Green (0%)
- Blue (79%)



- Red (80%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5625, 17.1016, 57.3037 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 35.5625, 17.1016, 57.3037 by changing the saturation by 10% instead.





 35.5625, 17.1016,  
57.3037


 35.5625, 17.1016,  
57.3037

318.5089,  
235.7572, 432.1119


 24.2650, 10.3070,  
40.8381


 67.6846, 38.5004,  
102.4129


 15.6561, 5.6030,  
27.8739


 89.2399, 53.8733,  
131.8937


 9.3705, 2.6052,  
17.9924


 114.9452, 72.8744,  
166.5499

 5.0426, 0.9293,  
10.7751

 145.1658, 95.8882,  
206.8001

 2.3073, 0.0000,  
5.8036

 180.2671,  
123.2989, 253.0629

 0.7984, 0.0000,  
2.6592

 220.6145,

 0.0000, 0.0000,

155.4911, 305.7567

0.9228

266.5734,  
192.8491, 365.3002

■ 0.0000, 0.0000,  
0.0000

■ 35.5625, 17.1016,  
57.3037

■ 35.5625, 17.1016,  
57.3037

■ 35.5629, 17.1018,  
57.3038

■ 35.8444, 17.6268,  
57.5148

■ 36.3973, 18.6947,  
57.8162

■ 37.3150, 20.4920,  
58.2394

■ 38.6472, 23.1182,  
58.8009

■ 40.4358, 26.6573,  
59.5147

■ 42.7177, 31.1830,  
60.3931

■ 45.5260, 36.7614,  
61.4471

■ 48.8910, 43.4531,  
62.6868

■ 52.8406, 51.3138,  
64.1215

# Harmonies

## Analogous

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



25.8558, 17.1016, 102.6262



35.5625, 17.1016, 57.3037



39.9170, 17.1016, 19.8135

# Triad

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



35.5625, 17.1016, 57.3037



16.6659, 17.1016, 0.0000



5.4201, 17.1016, 53.1287

# Complementary

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



35.5625, 17.1016, 57.3037



21.6046, 43.1910, 7.2562

# 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.



4.4814, 17.1016, 17.4768



35.5625, 17.1016, 57.3037



9.3841, 17.1016, 0.0000

# Square

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



35.5625, 17.1016, 57.3037



26.8305, 17.1016, 0.0468



5.6186, 17.1016, 3.0218



8.9027, 17.1016, 99.0244



# Rectangle

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



35.5625, 17.1016, 57.3037



38.3236, 17.1016, 6.9823



5.6186, 17.1016, 3.0218



4.8679, 17.1016, 38.9492

# Sweetspot

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



35.5632, 17.1024, 57.3040



75.1895, 60.4719, 101.6849



10.8998, 4.3604, 57.3948



15.6483, 12.0585, 21.5984



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.



35.5632, 17.1024, 57.3040



58.8898, 28.3199, 94.8726



27.3014, 13.7977, 13.7982



11.6826, 11.4018, 14.1294



22.3856, 10.7648, 36.0787



1.1564, 0.5560, 1.8695



# Inverse Universe

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



35.5632, 17.1024, 57.3040



58.8898, 28.3199, 94.8726



23.9925, 44.1461, 19.8304



11.6826, 11.4018, 14.1294



22.3856, 10.7648, 36.0787



1.1564, 0.5560, 1.8695



# Previews

## White Background



This preview shows how the XYZ color 35.5625, 17.1016, 57.3037 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

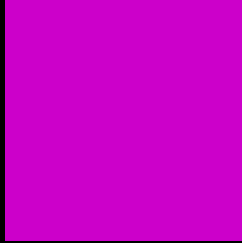
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.5625, 17.1016, 57.3037 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 35.5625, 17.1016, 57.3037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.5625, 17.1016, 57.3037.



This preview shows how white text looks on a background with the XYZ color 35.5625, 17.1016,



# 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

35.5625, 17.1016, 57.3037

### Protanopia

21.3377, 17.9833, 83.2354

### Deuteranopia

18.3280, 17.8180, 51.1884



## Tritanopia

25.9215, 17.3242, 10.5720

# Trichromacy



## Original Color

35.5625, 17.1016, 57.3037



## Protanomaly

18.7320, 11.5268, 72.4718



## Deuteranomaly

19.9321, 12.7857, 52.4563



## Tritanomaly

27.8018, 15.5755, 21.9631

# Monochromacy



## Original Color

35.5625, 17.1016, 57.3037



## Achromatopsia

8.4267, 8.8656, 9.6546



## Achromatomaly

14.0060, 8.6677, 21.0135

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.5625, 17.1016, 57.3037 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(204, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 202)  
}
```

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(204, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 35.5625, 17.1016, 57.3037 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(204, 0, 202) }
```



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

```
.border{ border-color:rgb(204, 0, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.5625, 17.1016, 57.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 202) }
```

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

```
.background{ background-color: rgb(204, 0,  
202) }
```

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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