

Converting Colors

XYZ(35.6363, 17.1311, 57.6922)

Have a look what the booklet for
XYZ(35.6363, 17.1311, 57.6922)
contains.

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Color

**XYZ(35.6813, 17.1492,
57.9294)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00CB
RGB	204, 0, 203
RGB Percent	80%, 0%, 80%
CMY	0.2000, 0.9999, 0.2039
CMYK	0.00, 1.00, 0.00, 0.20
HSL	300°, 100%, 40%
HSV	300°, 100%, 80%
XYZ	35.6813, 17.1492, 57.9294
YIQ	84.1380, 56.4210, 106.3810

Conversions

Conversions Part 2

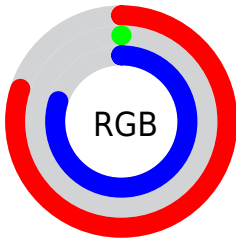
Format	Color
R_{YB}	204, 0, 203
Decimal	13369547
CIE _{Lab}	48.45, 82.90, -50.94
CIE _{LCh}	48, 97.304, 328.429
Yxy	17.1492, 0.3221, 0.1548
Android (android.graphics.Color)	4291559627 (0xFFCC00CB)
YUV	84.1380, 58.5990, 105.1190
Hunter-Lab	41.4116, 81.3299, -53.9508

Details

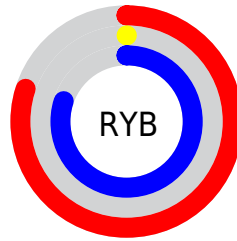
The XYZ color **35.6813, 17.1492, 57.9294** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **21.5992, 43.1887, 7.2275**, and the grayscale version is **8.3338, 8.7679, 9.5482**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **17.0223, 8.1579, 28.6944** is the 20% darker color. If you saturate the color by 10%, you get **35.6817, 17.1493, 57.9295**, and if you desaturate by 10%, it is **35.9514, 17.6698, 58.0784**.

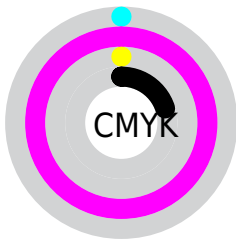
Distribution



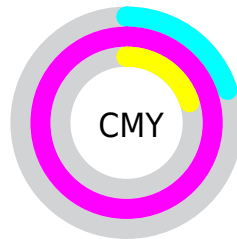
- Red (80%)
- Green (0%)
- Blue (80%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6813, 17.1492, 57.9294 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 35.6813, 17.1492, 57.9294 by changing the saturation by 10% instead.

 35.6813, 17.1492,
57.9294


 35.6813, 17.1492,
57.9294


319.0210,
236.0307, 434.5137


 24.3571, 10.3409,
41.3376


 67.8670, 38.5821,
103.3338


 15.7249, 5.6256,
28.2613


 89.4592, 53.9756,
132.9835


 9.4193, 2.6188,
18.2819


 115.2048, 72.9995,
167.8228

 5.0750, 0.9361,
10.9811

 145.4691, 96.0384,
208.2704

 2.3265, 0.0000,
5.9401

 180.6175,
123.4765, 254.7447

 0.8082, 0.0000,
2.7405

 221.0154,

 0.0000, 0.0000,

155.6984, 307.6643

0.9637

267.0281,
193.0883, 367.4478

■ 0.0000, 0.0000,
0.0000

■ 35.6813, 17.1492,
57.9294

■ 35.6813, 17.1492,
57.9294

■ 35.6817, 17.1493,
57.9295

■ 35.9514, 17.6698,
58.0784

■ 36.4927, 18.7331,
58.3177

■ 37.3986, 20.5259,
58.6787

■ 38.7190, 23.1475,
59.1778

■ 40.4959, 26.6821,
59.8291

■ 42.7660, 31.2032,
60.6449

■ 45.5625, 36.7771,
61.6362

■ 48.9157, 43.4643,
62.8130

■ 52.8534, 51.3205,
64.1848

Harmonies

Analogous

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



25.8894, 17.1492, 103.5595



35.6813, 17.1492, 57.9294



40.1165, 17.1492, 20.0500

Triad

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



35.6813, 17.1492, 57.9294



16.7739, 17.1492, 0.0000



5.4005, 17.1492, 53.1143

Complementary

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



35.6813, 17.1492, 57.9294



21.5992, 43.1887, 7.2275

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.



4.4733, 17.1492, 17.3597



35.6813, 17.1492, 57.9294



9.4297, 17.1492, 0.0000

Square

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



35.6813, 17.1492, 57.9294



27.0125, 17.1492, 0.0439



5.6285, 17.1492, 2.9653



8.8762, 17.1492, 99.4026

Rectangle

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



35.6813, 17.1492, 57.9294



38.5479, 17.1492, 7.0619



5.6285, 17.1492, 2.9653



4.8518, 17.1492, 38.8691

Sweetspot

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



35.6820, 17.1500, 57.9297



75.2497, 60.4960, 102.0021



10.8999, 4.3605, 57.3946



15.6630, 12.0644, 21.6758



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.



35.6820, 17.1500, 57.9297



59.0892, 28.3997, 95.9225



27.3015, 13.7978, 13.7988



11.6851, 11.4028, 14.1424



22.4593, 10.7943, 36.4669



1.1594, 0.5572, 1.8854

Inverse Universe

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



35.6820, 17.1500, 57.9297



59.0892, 28.3997, 95.9225



23.9926, 44.1461, 19.8310



11.6851, 11.4028, 14.1424



22.4593, 10.7943, 36.4669



1.1594, 0.5572, 1.8854

Previews

White Background



This preview shows how the XYZ color 35.6813, 17.1492, 57.9294 looks on a white background.

Color Contrast Check

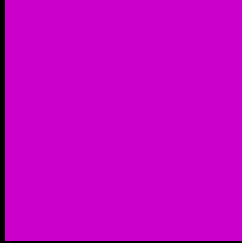
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6813, 17.1492, 57.9294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

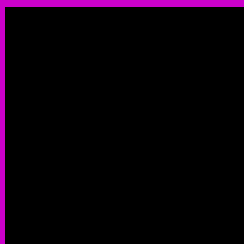
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.6813, 17.1492, 57.9294

Background



This preview shows how black text looks on a background with the XYZ color 35.6813, 17.1492, 57.9294.



This preview shows how white text looks on a background with the XYZ color 35.6813, 17.1492,

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

35.6813, 17.1492, 57.9294

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.3638, 17.8238, 51.7627



Tritanopia

25.9942, 17.4696, 10.5962

Trichromacy



Original Color

35.6813, 17.1492, 57.9294



Protanomaly

18.8689, 11.5816, 73.1925



Deuteranomaly

19.9069, 12.7596, 53.0434



Tritanomaly

27.8451, 15.6619, 21.9775

Monochromacy



Original Color

35.6813, 17.1492, 57.9294



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 35.6813, 17.1492, 57.9294 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 203) }
```

Border

The CSS property to change the border of an element to XYZ 35.6813, 17.1492, 57.9294 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, 203) }
```


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

```
.border{ border-color:rgb(204, 0, 203) }
```

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, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6813, 17.1492, 57.9294 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, 203) }
```

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

```
.background{ background-color: rgb(204, 0,  
203) }
```

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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