

Converting Colors

XYZ(36.5749, 17.4500, 65.1928)

Have a look what the booklet for
XYZ(36.5749, 17.4500, 65.1928)
contains.

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Color

**XYZ(36.4947, 17.4116,
65.0556)**

Conversions

Conversions Part 1

Format	Color
Hex	CA00D6
RGB	202, 0, 214
RGB Percent	79%, 0%, 84%
CMY	0.2078, 0.9999, 0.1608
CMYK	0.06, 1.00, 0.00, 0.16
HSL	297°, 100%, 42%
HSV	297°, 100%, 84%
XYZ	36.4947, 17.4116, 65.0556
YIQ	84.7940, 51.6980, 109.3780

Conversions

Conversions Part 2

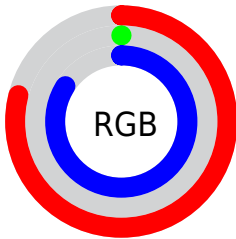
Format	Color
R_{YB}	202, 0, 214
Decimal	13238486
CIE _{Lab}	48.77, 84.21, -56.77
CIE _{LCh}	49, 101.561, 326.015
Yxy	17.4116, 0.3068, 0.1464
Android (android.graphics.Color)	4291428566 (0xFFCA00D6)
YUV	84.7940, 63.6986, 102.7897
Hunter-Lab	41.7272, 83.0938, -63.2282

Details

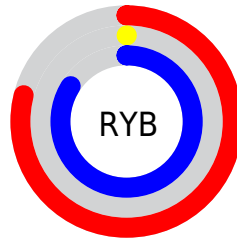
The XYZ color **36.4947, 17.4116, 65.0556** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.1988, 48.1717, 8.0234**, and the grayscale version is **8.4588, 8.8993, 9.6914**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **17.4992, 8.3083, 33.0291** is the 20% darker color. If you saturate the color by 10%, you get **36.4948, 17.4116, 65.0558**, and if you desaturate by 10%, it is **37.0972, 18.1320, 65.1631**.

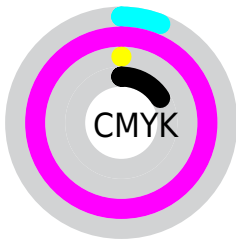
Distribution



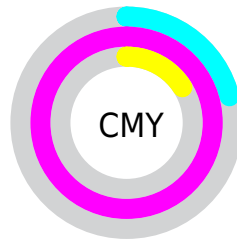
- Red (79%)
- Green (0%)
- Blue (84%)



- Red (79%)
- Yellow (0%)
- Blue (84%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (21%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4947, 17.4116, 65.0556 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 36.4947, 17.4116, 65.0556 by changing the saturation by 10% instead.


 36.4947, 17.4116,
65.0556


 36.4947, 17.4116,
65.0556


322.5113,
237.5333, 461.3034


 24.9884, 10.5284,
47.0545


 69.1138, 39.0321,
113.7438


 16.1971, 5.7507,
32.7241


 90.9574, 54.5382,
145.2681

 9.7555, 2.6941,
21.6458


 116.9773, 73.6874,
182.1371

 5.2981, 0.9742,
13.4010

 147.5391, 96.8640,
224.7695

 2.4598, 0.0000,
7.5713

 183.0080,
124.4525, 273.5838

 0.8750, 0.0000,
3.7381

 223.7495,

 0.0000, 0.0000,

156.8373, 328.9985

1.4828

270.1288,
194.4028, 391.4322

■ 0.0000, 0.0000,
0.2051

■ 0.0000, 0.0000,
0.0000

■ 36.4947, 17.4116,
65.0556

■ 36.4947, 17.4116,
65.0556

■ 36.4948, 17.4116,
65.0558

■ 37.0972, 18.1320,
65.1631

■ 38.0073, 19.4643,
65.3723

■ 39.3269, 21.6122,
65.7174

■ 41.1123, 24.6878,
66.2169

■ 43.4109, 28.7859,
66.8868

■ 46.2640, 33.9894,
67.7408

■ 49.7091, 40.3728,
68.7913

■ 53.7799, 48.0041,
70.0498

■ 58.5081, 56.9462,
71.5266

Harmonies

Analogous

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



25.8012, 17.4116, 113.7737



36.4947, 17.4116, 65.0556



41.8934, 17.4116, 22.7846

Triad

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



36.4947, 17.4116, 65.0556



17.8363, 17.4116, 0.0000



5.0468, 17.4116, 51.8949

Complementary

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



36.4947, 17.4116, 65.0556



24.1988, 48.1717, 8.0234

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.



4.2801, 17.4116, 15.5862



36.4947, 17.4116, 65.0556



9.8247, 17.4116, 0.0000

Square

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



36.4947, 17.4116, 65.0556



28.8358, 17.4116, 0.0000



5.6371, 17.4116, 2.2534



8.3678, 17.4116, 102.3116

Rectangle

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



36.4947, 17.4116, 65.0556



40.6845, 17.4116, 7.9696



5.6371, 17.4116, 2.2534



4.5524, 17.4116, 37.1070

Sweetspot

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



36.4955, 17.4124, 65.0560



73.7494, 59.7156, 102.2470



12.2989, 5.1772, 63.9696



15.2973, 11.8742, 21.7356



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.



36.4955, 17.4124, 65.0560



54.2235, 25.8681, 96.7429



31.2002, 15.6840, 19.5615



12.8810, 12.5956, 15.6898



22.0887, 10.5397, 39.3233



1.3537, 0.6468, 2.3728

Inverse Universe

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



27.7984, 14.3233, 1.6481



41.3213, 21.2925, 2.3582



26.0116, 48.8793, 18.3612



12.4512, 12.4320, 13.0503



16.8144, 8.6621, 1.0608



1.0243, 0.5265, 0.1174

Previews

White Background



This preview shows how the XYZ color 36.4947, 17.4116, 65.0556 looks on a white background.

Color Contrast Check

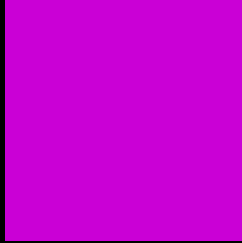
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4947, 17.4116, 65.0556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

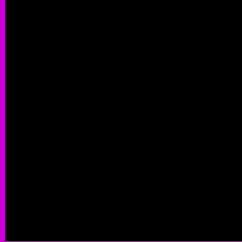
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 36.4947, 17.4116, 65.0556

Background



This preview shows how black text looks on a background with the XYZ color 36.4947, 17.4116, 65.0556.



This preview shows how white text looks on a background with the XYZ color 36.4947, 17.4116,

65.0556.

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

36.4947, 17.4116, 65.0556

Protanopia

21.7455, 18.3259, 84.8292

Deuteranopia

18.7150, 18.2229, 57.7893



Tritanopia

25.7548, 17.7702, 11.7454

Trichromacy



Original Color

36.4947, 17.4116, 65.0556



Protanomaly

19.5540, 11.9511, 76.8775



Deuteranomaly

19.9094, 12.8133, 59.8164



Tritanomaly

27.6386, 15.6329, 24.4824

Monochromacy



Original Color

36.4947, 17.4116, 65.0556



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.3861, 8.8935, 22.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4947, 17.4116, 65.0556 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(202, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 214)  
}
```

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(202, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 36.4947, 17.4116, 65.0556 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(202, 0, 214) }
```


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

```
.border{ border-color:rgb(202, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(202, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4947, 17.4116, 65.0556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 214) }
```

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

```
.background{ background-color: rgb(202, 0,  
214) }
```

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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