

Converting Colors

XYZ(35.2157, 17.5522, 66.7228)

Have a look what the booklet for
XYZ(35.2157, 17.5522, 66.7228)
contains.

XYZ(35.2148, 17.5713, 66.5013)	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(35.2148, 17.5713,
66.5013)**

Conversions

Conversions Part 1

Format	Color
Hex	C222D8
RGB	194, 34, 216
RGB Percent	76%, 13%, 85%
CMY	0.2392, 0.8666, 0.1529
CMYK	0.10, 0.84, 0.00, 0.15
HSL	293°, 73%, 49%
HSV	293°, 84%, 85%
XYZ	35.2148, 17.5713, 66.5013
YIQ	102.5880, 36.9380, 90.5220

Conversions

Conversions Part 2

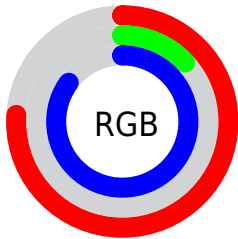
Format	Color
RYB	194, 34, 216
Decimal	12722904
CIELab	48.97, 79.06, -57.67
CIElCh	49, 97.860, 323.893
Yxy	17.5713, 0.2952, 0.1473
Android (android.graphics.Color)	4290912984 (0xFFC222D8)
YUV	102.5880, 55.9121, 80.1683
Hunter-Lab	41.9181, 76.5985, -64.7183

Details

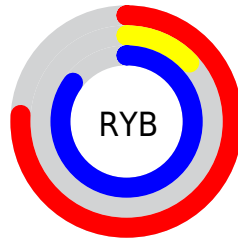
The XYZ color **35.2148, 17.5713, 66.5013** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **26.4762, 50.0685, 9.7829**, and the grayscale version is **12.6360, 13.2941, 14.4773**.

A 20% lighter version of the original color is **63.7733, 37.9913, 98.5796**, and **16.3368, 7.6890, 33.8808** is the 20% darker color. If you saturate the color by 10%, you get **34.1154, 16.3580, 66.3253**, and if you desaturate by 10%, it is **36.7147, 19.5667, 66.8077**.

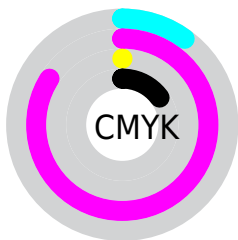
Distribution



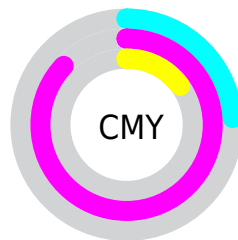
- Red (76%)
- Green (13%)
- Blue (85%)



- Red (76%)
- Yellow (13%)
- Blue (85%)



- Cyan (10%)
- Magenta (84%)
- Yellow (0%)
- Black (15%)




- Cyan (24%)
- Magenta (87%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2148, 17.5713, 66.5013 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 35.2148, 17.5713, 66.5013 by changing the saturation by 10% instead.


 35.2148, 17.5713,
66.5013

 35.2148, 17.5713,
66.5013


317.0069,
238.4434, 466.6206


 23.9957, 10.6426,
48.2204


 67.1502, 39.3055,
115.8394

 15.4551, 5.8271,
33.6402


 88.5972, 54.8798,
147.7337


 9.2278, 2.7402,
22.3422


 114.1843, 74.1047,
185.0028

 4.9484, 0.9977,
13.9079

 144.2766, 97.3648,
228.0654

 2.2514, 0.0000,
7.9186

 179.2397,
125.0443, 277.3399

 0.7696, 0.0000,
3.9559

 219.4389,

 0.0000, 0.0000,

157.5276, 333.2449

1.6012

265.2395,
195.1992, 396.1990

■ 0.0000, 0.0000,
0.2917

■ 0.0000, 0.0000,
0.0000

■ 35.2148, 17.5713,
66.5013

■ 35.2148, 17.5713,
66.5013

■ 34.1154, 16.3580,
66.3253

■ 36.7147, 19.5667,
66.8077

■ 33.6026, 15.8909,
66.2622

■ 38.6759, 22.4678,
67.2643

■ 41.1510, 26.3791,
67.8888

■ 44.1848, 31.3901,
68.6961

47.8172, 37.5805,
69.6995

52.0843, 45.0224,
70.9110

57.0194, 53.7823,
72.3418

62.6535, 63.9220,
74.0020

69.0154, 75.4993,
75.9013

Harmonies

Analogous

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



24.8431, 17.5713, 111.3413



35.2148, 17.5713, 66.5013



40.8584, 17.5713, 24.9776

Triad

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



35.2148, 17.5713, 66.5013



18.6337, 17.5713, 0.0000



5.2632, 17.5713, 47.4738

Complementary

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



35.2148, 17.5713, 66.5013



26.4762, 50.0685, 9.7829

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.



4.6407, 17.5713, 14.2782



35.2148, 17.5713, 66.5013



10.5661, 17.5713, 0.0000

Square

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



35.2148, 17.5713, 66.5013



29.2886, 17.5713, 0.3756



6.1737, 17.5713, 2.1854



8.3625, 17.5713, 94.9591

Rectangle

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



35.2148, 17.5713, 66.5013



40.1135, 17.5713, 9.4417



6.1737, 17.5713, 2.1854



4.8187, 17.5713, 33.8732

Sweetspot

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



35.2156, 17.5721, 66.5017



75.1969, 64.4184, 103.0784



14.5817, 8.3521, 65.8096



15.6074, 12.9337, 21.9238



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.



35.2156, 17.5721, 66.5017



48.8450, 23.0954, 96.4912



34.3378, 17.9222, 30.1967



12.7984, 12.5530, 15.6859



19.9505, 9.4374, 39.2232



1.2459, 0.5912, 2.3677

Inverse Universe

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



29.6053, 16.0292, 5.2761



41.4850, 21.3580, 3.2202



27.5522, 50.3867, 20.5186



12.4837, 12.4450, 13.2215



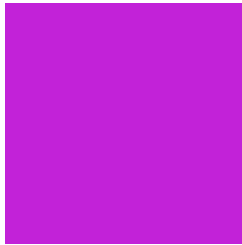
16.8941, 8.6940, 1.4804



1.0397, 0.5327, 0.1985

Previews

White Background



This preview shows how the XYZ color 35.2148, 17.5713, 66.5013 looks on a white background.

Color Contrast Check

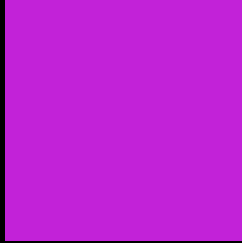
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.2148, 17.5713, 66.5013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

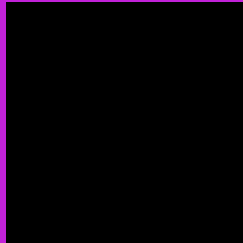
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.2148, 17.5713, 66.5013

Background



This preview shows how black text looks on a background with the XYZ color 35.2148, 17.5713, 66.5013.



This preview shows how white text looks on a background with the XYZ color 35.2148, 17.5713,

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

35.2148, 17.5713, 66.5013

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.5042, 17.8973, 59.6060



Tritanopia

24.2283, 17.5547, 12.9379

Trichromacy



Original Color

35.2148, 17.5713, 66.5013



Protanomaly

20.1927, 13.4498, 77.1331



Deuteranomaly

20.0489, 14.0798, 61.3355



Tritanomaly

26.5555, 16.3107, 26.1747

Monochromacy



Original Color

35.2148, 17.5713, 66.5013



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

17.9118, 12.6966, 27.8922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2148, 17.5713, 66.5013 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(194, 34, 216)` looks like.

```
.text, #text, p{  
    color:rgb(194, 34, 216)  
}
```

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(194, 34, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 34, 216) }
```

Border

The CSS property to change the border of an element to XYZ 35.2148, 17.5713, 66.5013 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(194, 34, 216) }
```


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

```
.border{ border-color:rgb(194, 34, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 34, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 34, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 34, 216);  
box-shadow:4px 4px 4px 4px rgb(194, 34,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2148, 17.5713, 66.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 34, 216) }
```

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

```
.background{ background-color: rgb(194, 34,  
216) }
```

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