

Converting Colors

XYZ(35.1770, 17.0289, 51.5958)

Have a look what the booklet for
XYZ(35.1770, 17.0289, 51.5958)
contains.

XYZ(35.3578, 17.1157, 51.8922)	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(35.3578, 17.1157,
51.8922)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00C1
RGB	207, 0, 193
RGB Percent	81%, 0%, 76%
CMY	0.1882, 0.9999, 0.2431
CMYK	0.00, 1.00, 0.07, 0.19
HSL	304°, 100%, 41%
HSV	304°, 100%, 81%
XYZ	35.3578, 17.1157, 51.8922
YIQ	83.8950, 61.4190, 103.9070

Conversions

Conversions Part 2

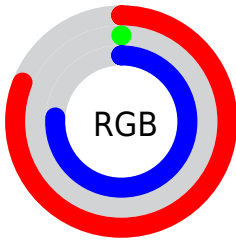
Format	Color
RYB	207, 0, 193
Decimal	13566145
CIELab	48.41, 81.99, -45.18
CIElCh	48, 93.613, 331.144
Yxy	17.1157, 0.3388, 0.1640
Android (android.graphics.Color)	4291756225 (0xFFCF00C1)
YUV	83.8950, 53.7888, 107.9631
Hunter-Lab	41.3711, 80.1554, -45.4082

Details

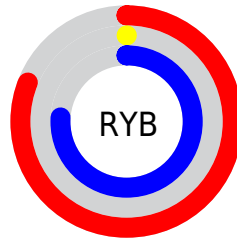
The XYZ color **35.3578, 17.1157, 51.8922** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **22.3930, 44.6582, 7.8563**, and the grayscale version is **8.2931, 8.7250, 9.5015**.

A 20% lighter version of the original color is **62.4097, 35.9908, 94.1001**, and **16.8729, 8.1600, 25.1118** is the 20% darker color. If you saturate the color by 10%, you get **35.3579, 17.1157, 51.8911**, and if you desaturate by 10%, it is **35.7784, 17.7052, 52.8069**.

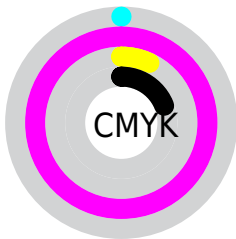
Distribution



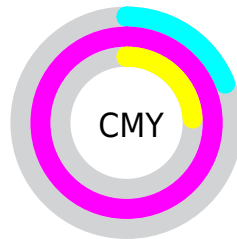
- Red (81%)
- Green (0%)
- Blue (76%)



- Red (81%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3578, 17.1157, 51.8922 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 35.3578, 17.1157, 51.8922 by changing the saturation by 10% instead.


 35.3578, 17.1157,
51.8922


 35.3578, 17.1157,
51.8922

317.6252,
235.8382, 410.9654

 24.1064, 10.3170,
36.5375


 67.3701, 38.5246,
94.3972


 15.5378, 5.6097,
24.5566


 88.8617, 53.9036,
122.3846


 9.2864, 2.6092,
15.5310


 114.4974, 72.9115,
155.4200

 4.9871, 0.9313,
9.0422

 144.6426, 95.9327,
193.9218

 2.2744, 0.0000,
4.6715

 179.6626,
123.3516, 238.3088

 0.7815, 0.0000,
2.0005

 219.9228,

 0.0000, 0.0000,

155.5525, 288.9993

0.5556

265.7886,
192.9199, 346.4120

■ 0.0000, 0.0000,
0.0000

■ 35.3578, 17.1157,
51.8922

■ 35.3578, 17.1157,
51.8922

■ 35.3579, 17.1157,
51.8911

■ 35.7784, 17.7052,
52.8069

■ 36.4816, 18.8580,
53.8230

■ 37.5634, 20.7657,
54.9727

■ 39.0755, 23.5316,
56.2731

■ 41.0614, 27.2426,
57.7389

■ 43.5593, 31.9753,
59.3827

■ 46.6036, 37.7983,
61.2161

■ 50.2255, 44.7742,
63.2494

■ 54.4541, 52.9610,
65.4924

Harmonies

Analogous

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



26.3502, 17.1157, 95.0807



35.3578, 17.1157, 51.8922



38.8926, 17.1157, 17.7109

Triad

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



35.3578, 17.1157, 51.8922



15.9416, 17.1157, 0.0000



5.8568, 17.1157, 55.1851

Complementary

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



35.3578, 17.1157, 51.8922



22.3930, 44.6582, 7.8563

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.



4.7380, 17.1157, 19.5929



35.3578, 17.1157, 51.8922



9.1546, 17.1157, 0.2333

Square

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



35.3578, 17.1157, 51.8922



25.5731, 17.1157, 0.1026



5.6921, 17.1157, 3.8890



9.5480, 17.1157, 97.8967

Rectangle

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



35.3578, 17.1157, 51.8922



36.9508, 17.1157, 6.2808



5.6921, 17.1157, 3.8890



5.2401, 17.1157, 41.3311

Sweetspot

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



35.3585, 17.1165, 51.8925



74.4880, 60.1913, 97.9908



11.4415, 4.5978, 59.3166



15.4774, 11.9902, 20.6986



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.



35.3585, 17.1165, 51.8925



56.6359, 27.4184, 83.0038



27.5663, 13.9997, 10.8595



12.2748, 11.9947, 14.7231



22.2910, 10.7892, 32.7680



1.2570, 0.6075, 1.8881

Inverse Universe

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



35.3585, 17.1165, 51.8925



56.6359, 27.4184, 83.0038



25.5429, 45.9182, 24.4436



12.2748, 11.9947, 14.7231



22.2910, 10.7892, 32.7680



1.2570, 0.6075, 1.8881

Previews

White Background



This preview shows how the XYZ color 35.3578, 17.1157, 51.8922 looks on a white background.

Color Contrast Check

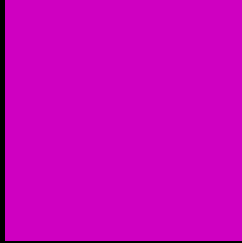
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3578, 17.1157, 51.8922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

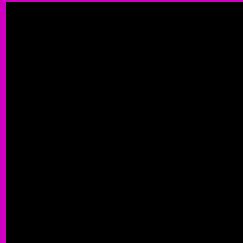
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 35.3578, 17.1157, 51.8922

Background



This preview shows how black text looks on a background with the XYZ color 35.3578, 17.1157, 51.8922.



This preview shows how white text looks on a background with the XYZ color 35.3578, 17.1157,

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

35.3578, 17.1157, 51.8922

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.2691, 17.8978, 46.2078



Tritanopia

26.8346, 17.4987, 9.7478

Trichromacy



Original Color

35.3578, 17.1157, 51.8922



Protanomaly

18.4038, 11.4045, 70.3385



Deuteranomaly

20.1078, 12.9895, 47.3464



Tritanomaly

28.3892, 15.7984, 19.9655

Monochromacy



Original Color

35.3578, 17.1157, 51.8922



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.9645, 8.6686, 20.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3578, 17.1157, 51.8922 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(207, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 193)  
}
```

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(207, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 193) }
```

Border

The CSS property to change the border of an element to XYZ 35.3578, 17.1157, 51.8922 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(207, 0, 193) }
```


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

```
.border{ border-color:rgb(207, 0, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3578, 17.1157, 51.8922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 193) }
```

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

```
.background{ background-color: rgb(207, 0,  
193) }
```

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