

Converting Colors

XYZ(32.1778, 17.2176, 36.2777)

Have a look what the booklet for
XYZ(32.1778, 17.2176, 36.2777)
contains.

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Color

**XYZ(32.1778, 17.2176,
36.2777)**

Conversions

Conversions Part 1

Format	Color
Hex	CB2DA3
RGB	203, 45, 163
RGB Percent	80%, 18%, 64%
CMY	0.2039, 0.8235, 0.3608
CMYK	0.00, 0.78, 0.20, 0.20
HSL	315°, 64%, 49%
HSV	315°, 78%, 80%
XYZ	32.1778, 17.2176, 36.2777
YIQ	105.6940, 56.2900, 70.1940

Conversions

Conversions Part 2

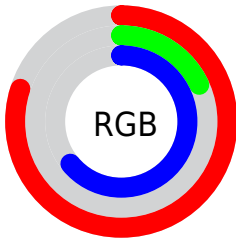
Format	Color
RYB	203, 45, 163
Decimal	13315491
CIELab	48.53, 70.32, -27.39
CIElCh	49, 75.464, 338.720
Yxy	17.2176, 0.3756, 0.2010
Android (android.graphics.Color)	4291505571 (0xFFFCB2DA3)
YUV	105.6940, 28.2519, 85.3374
Hunter-Lab	41.4941, 65.8083, -22.7905

Details

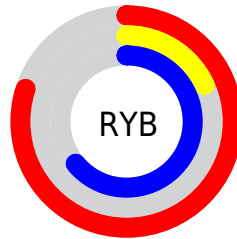
The XYZ color **32.1778, 17.2176, 36.2777** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **24.0788, 43.9262, 15.8060**, and the grayscale version is **13.5319, 14.2366, 15.5037**.

A 20% lighter version of the original color is **59.2575, 37.0471, 70.3573**, and **14.3708, 7.0770, 15.6475** is the 20% darker color. If you saturate the color by 10%, you get **31.1297, 15.8433, 33.7023**, and if you desaturate by 10%, it is **33.6178, 19.3453, 39.0763**.

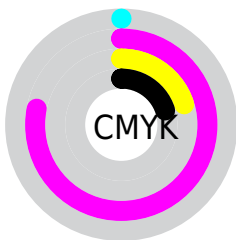
Distribution



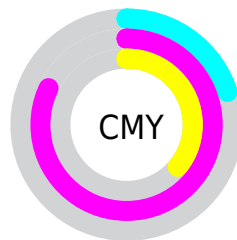
- Red (80%)
- Green (18%)
- Blue (64%)



- Red (80%)
- Yellow (18%)
- Blue (64%)



- Cyan (0%)
- Magenta (78%)
- Yellow (20%)
- Black (20%)





- Cyan (20%)
- Magenta (82%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1778, 17.2176, 36.2777 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 32.1778, 17.2176, 36.2777 by changing the saturation by 10% instead.


 32.1778, 17.2176,
36.2777


 32.1778, 17.2176,
36.2777


303.6593,
236.4232, 345.2467


 21.6535, 10.3898,
24.3574


 62.4530, 38.6995,
70.6343


 13.7177, 5.6581,
15.3843


 82.9347, 54.1224,
93.9077


 8.0050, 2.6383,
8.9399


 107.4663, 73.1791,
121.8025

 4.1500, 0.9460,
4.6057

 136.4130, 96.2539,
154.7373

 1.7873, 0.0000,
1.9632

 170.1404,
123.7314, 193.1305

 0.5100, 0.0000,
0.5325

209.0136,

 0.0000, 0.0000,

155.9958, 237.4008

0.0000

253.3981,
193.4317, 287.9667

■ 32.1778, 17.2176,
36.2777

■ 32.1778, 17.2176,
36.2777

■ 31.1297, 15.8433,
33.7023

■ 33.6178, 19.3453,
39.0763

■ 30.4033, 15.0830,
31.3253

■ 35.4954, 22.3181,
42.1141

■ 30.2639, 14.9506,
30.8269

■ 37.8516, 26.2174,
45.4059

■ 40.7220, 31.1144,
48.9646

■ 44.1390, 37.0731,
52.8020

■ 48.1321, 44.1524,
56.9289

■ 52.7287, 52.4066,
61.3555

■ 57.9543, 61.8867,
66.0911

■ 63.8330, 72.6405,
71.1449

Harmonies

Analogous

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



26.1901, 17.2176, 67.0346



32.1778, 17.2176, 36.2777



33.3760, 17.2176, 13.5380

Triad

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



32.1778, 17.2176, 36.2777



14.4274, 17.2176, 0.6352



8.0175, 17.2176, 54.1622

Complementary

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



32.1778, 17.2176, 36.2777



24.0788, 43.9262, 15.8060

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.



6.4144, 17.2176, 25.1455



32.1778, 17.2176, 36.2777



9.3673, 17.2176, 1.9567

Square

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



32.1778, 17.2176, 36.2777



21.6901, 17.2176, 0.9340



6.8269, 17.2176, 8.0315



11.9914, 17.2176, 81.4879

Rectangle

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



32.1778, 17.2176, 36.2777



31.0448, 17.2176, 5.7420



6.8269, 17.2176, 8.0315



7.2429, 17.2176, 43.7004

Sweetspot

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



32.1784, 17.2185, 36.2780



76.8096, 67.1982, 91.4779



15.4201, 8.0977, 57.2504



15.9344, 13.4892, 19.0475



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.



32.1784, 17.2185, 36.2780



51.2995, 25.6260, 53.8475



27.1877, 15.2222, 9.9974



11.5615, 11.3533, 13.4914



19.2980, 9.5298, 19.8200



1.0250, 0.5034, 1.1776

Inverse Universe

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



32.1784, 17.2185, 36.2780



51.2995, 25.6260, 53.8475



29.0947, 45.9326, 42.2195



11.5615, 11.3533, 13.4914



19.2980, 9.5298, 19.8200



1.0250, 0.5034, 1.1776

Previews

White Background



This preview shows how the XYZ color 32.1778, 17.2176, 36.2777 looks on a white background.

Color Contrast Check

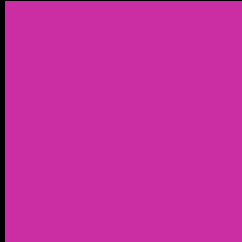
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1778, 17.2176, 36.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

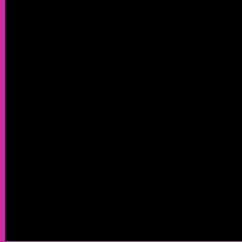
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1778, 17.2176, 36.2777

Background



This preview shows how black text looks on a background with the XYZ color 32.1778, 17.2176, 36.2777.



This preview shows how white text looks on a background with the XYZ color 32.1778, 17.2176,

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

32.1778, 17.2176, 36.2777

Protanopia

20.2930, 17.7807, 68.0081

Deuteranopia

17.7939, 17.4319, 32.9987



Tritanopia

26.6250, 17.1978, 9.3134

Trichromacy



Original Color

32.1778, 17.2176, 36.2777



Protanomaly

20.2499, 14.4554, 54.5462



Deuteranomaly

20.6427, 15.2418, 33.7523



Tritanomaly

28.1452, 16.8229, 16.5156

Monochromacy



Original Color

32.1778, 17.2176, 36.2777



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

17.9856, 13.5357, 21.7434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1778, 17.2176, 36.2777 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(203, 45, 163)` looks like.

```
.text, #text, p{  
    color:rgb(203, 45, 163)  
}
```

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(203, 45, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 45, 163) }
```

Border

The CSS property to change the border of an element to XYZ 32.1778, 17.2176, 36.2777 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(203, 45, 163) }
```


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

```
.border{ border-color:rgb(203, 45, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 45, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 45, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 45, 163);  
box-shadow:4px 4px 4px 4px rgb(203, 45,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1778, 17.2176, 36.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 45, 163) }
```

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

```
.background{ background-color: rgb(203, 45,  
163) }
```

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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