

Converting Colors

XYZ(36.7029, 17.1277, 82.7405)

Have a look what the booklet for
XYZ(36.7029, 17.1277, 82.7405)
contains.

XYZ(36.8152, 17.1791, 83.0369)	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(36.8152, 17.1791,
83.0369)**

Conversions

Conversions Part 1

Format	Color
Hex	BE00EF
RGB	190, 0, 239
RGB Percent	75%, 0%, 94%
CMY	0.2549, 1.0000, 0.0627
CMYK	0.21, 1.00, 0.00, 0.06
HSL	288°, 100%, 47%
HSV	288°, 100%, 94%
XYZ	36.8152, 17.1791, 83.0369
YIQ	84.0560, 36.5210, 114.6090

Conversions

Conversions Part 2

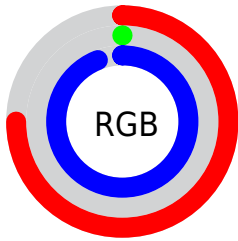
Format	Color
R_{YB}	190, 0, 239
Decimal	12452079
CIE _{Lab}	48.48, 86.52, -71.55
CIE _{LCh}	48, 112.271, 320.412
Yxy	17.1791, 0.2687, 0.1254
Android (android.graphics.Color)	4290642159 (0xFFBE00EF)
YUV	84.0560, 76.3874, 92.9129
Hunter-Lab	41.4477, 86.0162, -89.7691

Details

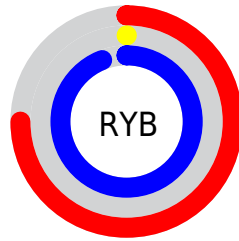
The XYZ color **36.8152, 17.1791, 83.0369** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle washed purple. A complement of this color would be **32.1337, 62.3865, 10.3485**, and the grayscale version is **8.2825, 8.7138, 9.4894**.

A 20% lighter version of the original color is **61.6608, 35.3835, 98.1876**, and **17.6494, 8.1232, 44.8937** is the 20% darker color. If you saturate the color by 10%, you get **36.8154, 17.1792, 83.0372**, and if you desaturate by 10%, it is **38.3854, 18.4708, 83.2038**.

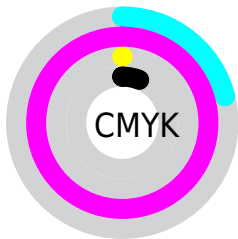
Distribution



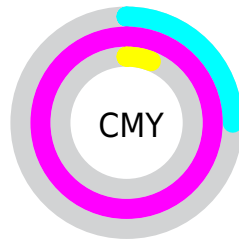
- Red (75%)
- Green (0%)
- Blue (94%)



- Red (75%)
- Yellow (0%)
- Blue (94%)



- Cyan (21%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (25%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8152, 17.1791, 83.0369 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 36.8152, 17.1791, 83.0369 by changing the saturation by 10% instead.

 36.8152, 17.1791,
83.0369


 36.8152, 17.1791,
83.0369

323.8792,
236.2024, 525.0837

 25.2375, 10.3623,
61.6798


 69.6041, 38.6335,
139.4768


 16.3837, 5.6398,
44.3399


 91.5461, 54.0398,
175.3968


 9.8887, 2.6273,
30.5987


 117.6734, 73.0780,
217.0080

 5.3869, 0.9404,
20.0375

 148.3516, 96.1326,
264.7292

 2.5131, 0.0000,
12.2380

 183.9459,
123.5880, 318.9788

 0.9019, 0.0000,
6.7815

 224.8217,

 0.0000, 0.0000,

155.8284, 380.1754

3.2494

271.3443,
193.2384, 448.7375

■ 0.0000, 0.0000,
1.2234

■ 0.0000, 0.0000,
0.0000

■ 36.8152, 17.1791,
83.0369

■ 36.8152, 17.1791,
83.0369

■ 36.8154, 17.1792,
83.0372

■ 38.3854, 18.4708,
83.2038

■ 40.3961, 20.5827,
83.5054

■ 42.9737, 23.7664,
83.9841

■ 46.1929, 28.1704,
84.6645

■ 50.1164, 33.9196,
85.5674

■ 54.7991, 41.1233,
86.7111

■ 60.2903, 49.8794,
88.1117

■ 66.6349, 60.2773,
89.7843

■ 73.8743, 72.3996,
91.7426

Harmonies

Analogous

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



24.2469, 17.1791, 137.9276



36.8152, 17.1791, 83.0369



44.6396, 17.1791, 29.8193

Triad

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



36.8152, 17.1791, 83.0369



19.8503, 17.1791, 0.0000



3.9187, 17.1791, 46.2464

Complementary

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



36.8152, 17.1791, 83.0369



32.1337, 62.3865, 10.3485

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.



3.5573, 17.1791, 10.7656



36.8152, 17.1791, 83.0369



10.3539, 17.1791, 0.0000

Square

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



36.8152, 17.1791, 83.0369



32.4609, 17.1791, 0.0000



5.3341, 17.1791, 0.8424



6.6866, 17.1791, 105.1734

Rectangle

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



36.8152, 17.1791, 83.0369



44.5429, 17.1791, 10.2192



5.3341, 17.1791, 0.8424



3.5753, 17.1791, 30.9292

Sweetspot

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



36.8161, 17.1798, 83.0373



69.7734, 57.6659, 102.0609



16.7989, 8.6696, 82.4497



14.3340, 11.3776, 21.6906



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.



36.8161, 17.1798, 83.0373



42.6023, 19.8772, 96.1990



42.9749, 21.3023, 40.5183



16.1184, 15.8583, 19.9330



20.4565, 9.5511, 45.8932



1.7809, 0.8353, 3.8216

Inverse Universe

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



36.1514, 18.5729, 4.5862



41.8662, 21.5105, 5.2273



31.9018, 62.1473, 15.7392



15.9053, 15.8118, 17.0577



20.0156, 10.2787, 2.7326



1.6998, 0.8690, 0.4102

Previews

White Background



This preview shows how the XYZ color 36.8152, 17.1791, 83.0369 looks on a white background.

Color Contrast Check

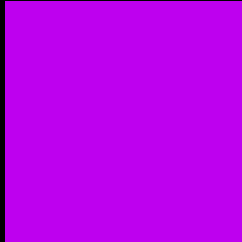
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8152, 17.1791, 83.0369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

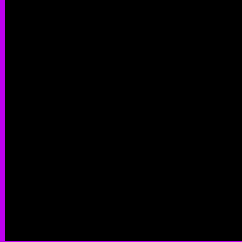
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 36.8152, 17.1791, 83.0369

Background



This preview shows how black text looks on a background with the XYZ color 36.8152, 17.1791, 83.0369.



This preview shows how white text looks on a background with the XYZ color 36.8152, 17.1791,

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

36.8152, 17.1791, 83.0369

Protanopia

21.1912, 17.9247, 82.4637

Deuteranopia

17.9820, 17.7477, 62.1524



Tritanopia

22.8805, 17.4716, 14.2230

Trichromacy



Original Color

36.8152, 17.1791, 83.0369



Protanomaly

20.2042, 12.0730, 82.1544



Deuteranomaly

17.8249, 11.5486, 68.3075



Tritanomaly

25.3332, 14.8132, 30.8022

Monochromacy



Original Color

36.8152, 17.1791, 83.0369



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1751, 8.6506, 25.7336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8152, 17.1791, 83.0369 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(190, 0, 239)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 239)  
}
```

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(190, 0, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 239) }
```

Border

The CSS property to change the border of an element to XYZ 36.8152, 17.1791, 83.0369 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(190, 0, 239) }
```


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

```
.border{ border-color:rgb(190, 0, 239) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 239);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8152, 17.1791, 83.0369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 239) }
```

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

```
.background{ background-color: rgb(190, 0,  
239) }
```

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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