

Converting Colors

XYZ(36.7941, 18.6417, 76.1548)

Have a look what the booklet for
XYZ(36.7941, 18.6417, 76.1548)
contains.

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Color

**XYZ(36.9218, 18.7210,
76.5304)**

Conversions

Conversions Part 1

Format	Color
Hex	C02CE6
RGB	192, 44, 230
RGB Percent	75%, 17%, 90%
CMY	0.2471, 0.8274, 0.0980
CMYK	0.17, 0.81, 0.00, 0.10
HSL	288°, 79%, 54%
HSV	288°, 81%, 90%
XYZ	36.9218, 18.7210, 76.5304
YIQ	109.4560, 28.5020, 89.2220

Conversions

Conversions Part 2

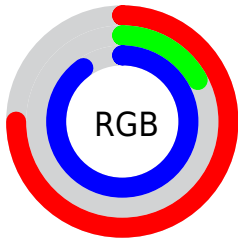
Format	Color
R_{YB}	192, 44, 230
Decimal	12594406
CIE _{Lab}	50.36, 78.79, -63.41
CIE _{LCh}	50, 101.141, 321.174
Yxy	18.7210, 0.2793, 0.1416
Android (android.graphics.Color)	4290784486 (0xFFC02CE6)
YUV	109.4560, 59.4282, 72.3911
Hunter-Lab	43.2678, 76.6013, -74.5825

Details

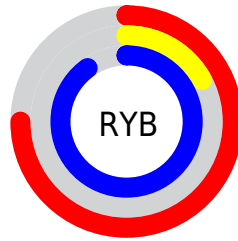
The XYZ color **36.9218, 18.7210, 76.5304** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **32.2317, 58.5698, 11.9898**, and the grayscale version is **14.4972, 15.2522, 16.6096**.

A 20% lighter version of the original color is **63.6635, 38.8527, 98.7516**, and **17.2157, 8.0037, 40.1727** is the 20% darker color. If you saturate the color by 10%, you get **35.1190, 16.8528, 76.2651**, and if you desaturate by 10%, it is **39.2382, 21.5582, 76.9563**.

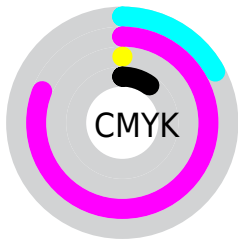
Distribution



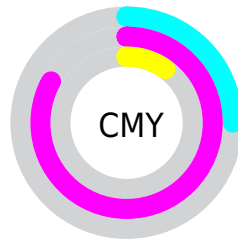
- Red (75%)
- Green (17%)
- Blue (90%)



- Red (75%)
- Yellow (17%)
- Blue (90%)



- Cyan (17%)
- Magenta (81%)
- Yellow (0%)
- Black (10%)



- Cyan (25%)
- Magenta (83%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9218, 18.7210, 76.5304 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 36.9218, 18.7210, 76.5304 by changing the saturation by 10% instead.

36.9218, 18.7210,
76.5304

36.9218, 18.7210,
76.5304

324.3332,
244.9042, 502.5565

25.3203, 11.4689,
56.3583

69.7671, 41.2621,
130.2433

16.4459, 6.3831,
40.0843

91.7417, 57.3199,
164.6212

9.9331, 3.0794,
27.2900

117.9047, 77.0816,
204.5714

5.4165, 1.1733,
17.5568

148.6214,
100.9318, 250.5125

2.5309, 0.0398,
10.4661

184.2573,
129.2547, 302.8631

0.9109, 0.0000,
5.5995

225.1777,

0.0000, 0.0000,

162.4348, 362.0415

2.5383

271.7479,
200.8565, 428.4665

■ 0.0000, 0.0000,
0.8603

■ 0.0000, 0.0000,
0.0000

■ 36.9218, 18.7210,
76.5304

■ 36.9218, 18.7210,
76.5304

■ 35.1190, 16.8528,
76.2651

■ 39.2382, 21.5582,
76.9563

■ 33.8142, 15.7819,
76.1272

■ 42.1347, 25.4996,
77.5644

■ 45.6698, 30.6608,
78.3743

■ 49.8940, 37.1423,
79.4027

■ 54.8526, 45.0340,
80.6646

■ 60.5866, 54.4179,
82.1736

■ 67.1342, 65.3695,
83.9424

■ 74.5308, 77.9593,
85.9827

■ 82.8098, 92.2535,
88.3054

Harmonies

Analogous

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



25.5196, 18.7210, 123.7633



36.9218, 18.7210, 76.5304



43.7223, 18.7210, 29.8540

Triad

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



36.9218, 18.7210, 76.5304



20.8498, 18.7210, 0.0000



5.3582, 18.7210, 46.8086

Complementary

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



36.9218, 18.7210, 76.5304



32.2317, 58.5698, 11.9898

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.



4.8998, 18.7210, 13.1639



36.9218, 18.7210, 76.5304



11.8095, 18.7210, 0.0000

Square

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



36.9218, 18.7210, 76.5304



32.4453, 18.7210, 0.5615



6.7675, 18.7210, 1.8056



8.3892, 18.7210, 98.1604

Rectangle

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



36.9218, 18.7210, 76.5304



43.4781, 18.7210, 11.6001



6.7675, 18.7210, 1.8056



4.9569, 18.7210, 32.7573

Sweetspot

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



36.9227, 18.7218, 76.5308



74.0861, 64.6799, 103.1875



18.5160, 12.6369, 76.3265



15.3023, 12.9358, 21.9403



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.



36.9227, 18.7218, 76.5308



43.1630, 20.2895, 96.2491



41.5001, 21.8113, 43.7757



14.6916, 14.4588, 18.1608



19.2471, 8.9882, 43.1036



1.4954, 0.7019, 3.1886

Inverse Universe

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



35.0573, 19.2341, 9.8484



42.0914, 21.7334, 6.0040



31.4798, 57.9870, 20.7706



14.4968, 14.4159, 15.5506



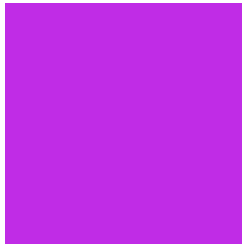
18.8007, 9.6545, 2.5793



1.4223, 0.7266, 0.3645

Previews

White Background



This preview shows how the XYZ color 36.9218, 18.7210, 76.5304 looks on a white background.

Color Contrast Check

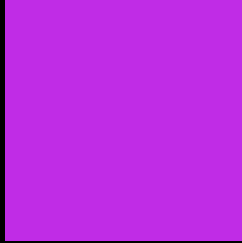
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 36.9218, 18.7210, 76.5304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

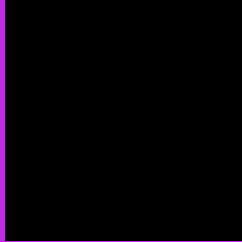
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9218, 18.7210, 76.5304

Background



This preview shows how black text looks on a background with the XYZ color 36.9218, 18.7210, 76.5304.



This preview shows how white text looks on a background with the XYZ color 36.9218, 18.7210,

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

36.9218, 18.7210, 76.5304

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.4839, 18.9288, 68.2724



Tritanopia

24.4526, 18.6628, 15.4102

Trichromacy



Original Color

36.9218, 18.7210, 76.5304



Protanomaly

21.9101, 14.9057, 84.1604



Deuteranomaly

19.7133, 14.5814, 70.8827



Tritanomaly

27.2855, 17.4745, 30.7890

Monochromacy



Original Color

36.9218, 18.7210, 76.5304



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

19.6457, 14.2859, 31.8590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9218, 18.7210, 76.5304 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(192, 44, 230)` looks like.

```
.text, #text, p{  
    color:rgb(192, 44, 230)  
}
```

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(192, 44, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 44, 230) }
```

Border

The CSS property to change the border of an element to XYZ 36.9218, 18.7210, 76.5304 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(192, 44, 230) }
```


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

```
.border{ border-color:rgb(192, 44, 230) }
```

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

Here you see how a box with a 4 pixel rgb(192, 44, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 44, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 44, 230);  
box-shadow:4px 4px 4px 4px rgb(192, 44,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9218, 18.7210, 76.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 44, 230) }
```

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

```
.background{ background-color: rgb(192, 44,  
230) }
```

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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