

Converting Colors

XYZ(37.3759, 18.6095, 70.0287)

Have a look what the booklet for
XYZ(37.3759, 18.6095, 70.0287)
contains.

XYZ(37.4426, 18.6439, 70.0318)	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(37.4426, 18.6439,
70.0318)**

Conversions

Conversions Part 1

Format	Color
Hex	C822DD
RGB	200, 34, 221
RGB Percent	78%, 13%, 87%
CMY	0.2157, 0.8666, 0.1333
CMYK	0.10, 0.85, 0.00, 0.13
HSL	293°, 73%, 50%
HSV	293°, 85%, 87%
XYZ	37.4426, 18.6439, 70.0318
YIQ	104.9520, 38.9090, 93.3490

Conversions

Conversions Part 2

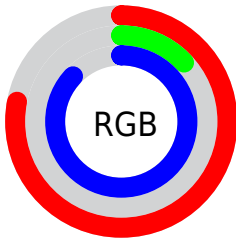
Format	Color
R_{YB}	200, 34, 221
Decimal	13116125
CIE _{Lab}	50.27, 80.89, -58.39
CIE _{LCh}	50, 99.764, 324.181
Yxy	18.6439, 0.2969, 0.1478
Android (android.graphics.Color)	4291306205 (0xFFC822DD)
YUV	104.9520, 57.2117, 83.3571
Hunter-Lab	43.1786, 79.2250, -65.9381

Details

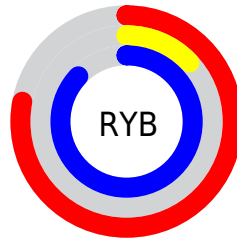
The XYZ color **37.4426, 18.6439, 70.0318** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.7214, 52.6411, 10.2138**, and the grayscale version is **13.2589, 13.9493, 15.1908**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **17.7760, 8.3793, 36.2778** is the 20% darker color. If you saturate the color by 10%, you get **36.3440, 17.4219, 69.8541**, and if you desaturate by 10%, it is **38.9589, 20.6836, 70.3459**.

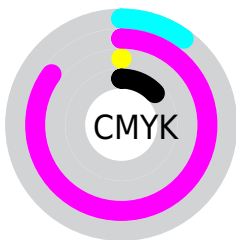
Distribution



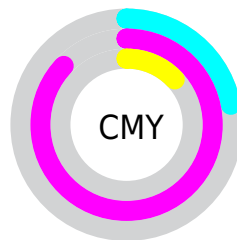
- Red (78%)
- Green (13%)
- Blue (87%)



- Red (78%)
- Yellow (13%)
- Blue (87%)



- Cyan (10%)
- Magenta (85%)
- Yellow (0%)
- Black (13%)





- Cyan (22%)
- Magenta (87%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4426, 18.6439, 70.0318 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 37.4426, 18.6439, 70.0318 by changing the saturation by 10% instead.


 37.4426, 18.6439,
70.0318


 37.4426, 18.6439,
70.0318

326.5451,
244.4758, 479.4538

 25.7256, 11.4133,
51.0755


 70.5624, 41.1315,
120.9356

 16.7501, 6.3455,
35.8915


 92.6959, 57.1572,
153.7203


 10.1507, 3.0563,
24.0614


 119.0323, 76.8835,
191.9514

 5.5620, 1.1612,
15.1666

 149.9370,
100.6946, 236.0476

 2.6187, 0.0297,
8.7884

 185.7752,
128.9750, 286.4274

 0.9555, 0.0000,
4.5085

226.9124,

 0.0000, 0.0000,

162.1090, 343.5093

1.9083

273.7140,
200.4812, 407.7120

■ 0.0000, 0.0000,
0.4980

■ 0.0000, 0.0000,
0.0000

■ 37.4426, 18.6439,
70.0318

■ 37.4426, 18.6439,
70.0318

■ 36.3440, 17.4219,
69.8541

■ 38.9589, 20.6836,
70.3459

■ 35.8637, 16.9807,
69.7943

■ 40.9578, 23.6733,
70.8176

■ 43.4954, 27.7243,
71.4658

■ 46.6193, 32.9316,
72.3062

■ 50.3718, 39.3800,
73.3531

■ 54.7914, 47.1460,
74.6192

■ 59.9131, 56.3002,
76.1162

■ 65.7700, 66.9079,
77.8550

■ 72.3925, 79.0304,
79.8458

Harmonies

Analogous

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



26.4659, 18.6439, 117.7111



37.4426, 18.6439, 70.0318



43.3540, 18.6439, 26.1832

Triad

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



37.4426, 18.6439, 70.0318



19.6706, 18.6439, 0.0000



5.6058, 18.6439, 50.8007

Complementary

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



37.4426, 18.6439, 70.0318



27.7214, 52.6411, 10.2138

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.



4.9236, 18.6439, 15.3715



37.4426, 18.6439, 70.0318



11.1512, 18.6439, 0.0000

Square

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



37.4426, 18.6439, 70.0318



30.9592, 18.6439, 0.4037



6.5261, 18.6439, 2.3736



8.9239, 18.6439, 101.1521

Rectangle

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



37.4426, 18.6439, 70.0318



42.5060, 18.6439, 9.8610



6.5261, 18.6439, 2.3736



5.1265, 18.6439, 36.3121

Sweetspot

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



37.4434, 18.6447, 70.0322



75.3904, 64.5182, 103.0875



15.1169, 8.3722, 69.2261



15.6543, 12.9579, 21.9260



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.



37.4434, 18.6447, 70.0322



49.5284, 23.4477, 96.5232



35.8417, 18.6970, 30.2880



13.4629, 13.1967, 16.4898



20.8943, 9.8956, 40.5472



1.3955, 0.6627, 2.6288

Inverse Universe

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



31.0810, 16.7927, 5.2187



41.4573, 21.3469, 3.0742



29.1020, 53.0875, 22.2643



13.1152, 13.0752, 13.8679



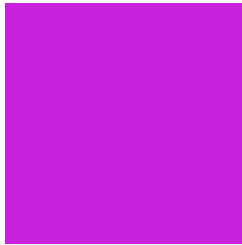
17.4438, 8.9786, 1.4511



1.1505, 0.5898, 0.2012

Previews

White Background



This preview shows how the XYZ color 37.4426, 18.6439, 70.0318 looks on a white background.

Color Contrast Check

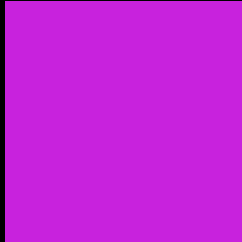
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4426, 18.6439, 70.0318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

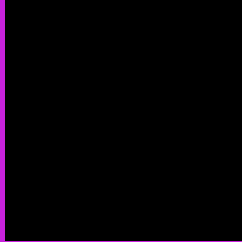
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4426, 18.6439, 70.0318

Background



This preview shows how black text looks on a background with the XYZ color 37.4426, 18.6439, 70.0318.



This preview shows how white text looks on a background with the XYZ color 37.4426, 18.6439,

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

37.4426, 18.6439, 70.0318

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.7835, 19.2006, 62.9850



Tritanopia

25.9063, 18.6595, 13.5455

Trichromacy



Original Color

37.4426, 18.6439, 70.0318



Protanomaly

21.2158, 14.1282, 80.9657



Deuteranomaly

21.4921, 15.1197, 64.7364



Tritanomaly

28.3078, 17.2805, 27.4347

Monochromacy



Original Color

37.4426, 18.6439, 70.0318



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

18.8777, 13.2740, 29.1709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4426, 18.6439, 70.0318 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(200, 34, 221)` looks like.

```
.text, #text, p{  
    color:rgb(200, 34, 221)  
}
```

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(200, 34, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 34, 221) }
```

Border

The CSS property to change the border of an element to XYZ 37.4426, 18.6439, 70.0318 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(200, 34, 221) }
```


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

```
.border{ border-color:rgb(200, 34, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 34, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 34, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 34, 221);  
box-shadow:4px 4px 4px 4px rgb(200, 34,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4426, 18.6439, 70.0318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 34, 221) }
```

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

```
.background{ background-color: rgb(200, 34,  
221) }
```

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