

Converting Colors

XYZ(39.0524, 18.2765, 85.6708)

Have a look what the booklet for
XYZ(39.0524, 18.2765, 85.6708)
contains.

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Color

**XYZ(39.0530, 18.2811,
85.4747)**

Conversions

Conversions Part 1

Format	Color
Hex	C500F2
RGB	197, 0, 242
RGB Percent	77%, 0%, 95%
CMY	0.2274, 0.9999, 0.0510
CMYK	0.19, 1.00, 0.00, 0.05
HSL	289°, 100%, 47%
HSV	289°, 100%, 95%
XYZ	39.0530, 18.2811, 85.4747
YIQ	86.4910, 39.7300, 117.0260

Conversions

Conversions Part 2

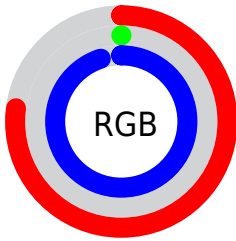
Format	Color
RYB	197, 0, 242
Decimal	12910834
CIELab	49.84, 87.94, -70.99
CIELCh	50, 113.017, 321.089
Yxy	18.2811, 0.2735, 0.1280
Android (android.graphics.Color)	4291100914 (0xFFC500F2)
YUV	86.4910, 76.6659, 96.9164
Hunter-Lab	42.7564, 88.2153, -88.5977

Details

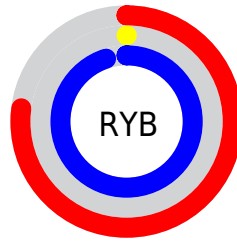
The XYZ color **39.0530, 18.2811, 85.4747** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **32.8351, 64.0627, 10.6352**, and the grayscale version is **8.7879, 9.2456, 10.0684**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **19.0735, 8.8211, 46.5963** is the 20% darker color. If you saturate the color by 10%, you get **39.0530, 18.2812, 85.4750**, and if you desaturate by 10%, it is **40.5809, 19.5603, 85.6414**.

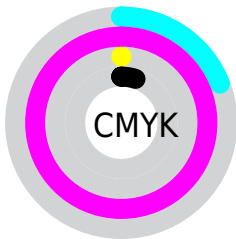
Distribution



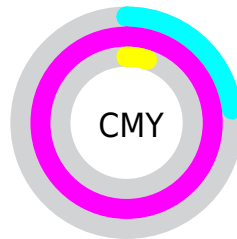
- Red (77%)
- Green (0%)
- Blue (95%)



- Red (77%)
- Yellow (0%)
- Blue (95%)



- Cyan (19%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (23%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0530, 18.2811, 85.4747 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 39.0530, 18.2811, 85.4747 by changing the saturation by 10% instead.


 39.0530, 18.2811,
85.4747


 39.0530, 18.2811,
85.4747


333.3191,
242.4507, 533.3830


 26.9819, 11.1520,
63.6813


 73.0128, 40.5157,
142.9163

 17.6961, 6.1692,
45.9480


 95.6322, 56.3900,
179.4015


 10.8304, 2.9482,
31.8565


 122.4985, 75.9482,
221.6210

 6.0194, 1.1048,
20.9880

 153.9768, 99.5746,
269.9935

 2.8976, 0.0000,
12.9241

 190.4327,
127.6537, 324.9374

 1.0999, 0.0000,
7.2462

 232.2315,

 0.0250, 0.0000,

160.5698, 386.8712

3.5357

279.7385,
198.7074, 456.2136

■ 0.0000, 0.0000,
1.3743

■ 0.0000, 0.0000,
0.1215

■ 39.0530, 18.2811,
85.4747

■ 39.0530, 18.2811,
85.4747

■ 39.0530, 18.2812,
85.4750

■ 40.5809, 19.5603,
85.6414

■ 42.5554, 21.6810,
85.9467

■ 45.1061, 24.9010,
86.4337

■ 48.3098, 29.3735,
87.1282

■ 52.2312, 35.2273,
88.0514

■ 56.9267, 42.5750,
89.2222

■ 62.4470, 51.5177,
90.6573

■ 68.8385, 62.1473,
92.3722

■ 76.1437, 74.5488,
94.3809

Harmonies

Analogous

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



25.9671, 18.2811, 142.8716



39.0530, 18.2811, 85.4747



47.0136, 18.2811, 30.6085

Triad

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



39.0530, 18.2811, 85.4747



20.7940, 18.2811, 0.0000



4.3119, 18.2811, 49.8777

Complementary

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



39.0530, 18.2811, 85.4747



32.8351, 64.0627, 10.6352

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.



3.8772, 18.2811, 12.0425



39.0530, 18.2811, 85.4747



10.9251, 18.2811, 0.0000

Square

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



39.0530, 18.2811, 85.4747



33.9496, 18.2811, 0.0000



5.7106, 18.2811, 1.0464



7.3257, 18.2811, 111.2686

Rectangle

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



39.0530, 18.2811, 85.4747



46.7481, 18.2811, 10.5198



5.7106, 18.2811, 1.0464



3.9278, 18.2811, 33.6698

Sweetspot

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



39.0539, 18.2818, 85.4751



70.2688, 57.9213, 102.0841



17.1011, 8.5586, 84.7554



14.4536, 11.4393, 21.6962



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.



39.0539, 18.2818, 85.4751



43.9451, 20.5694, 96.2619



43.8177, 21.7574, 39.6257



16.1493, 15.8742, 19.9345



21.0882, 9.8768, 45.9228



1.8281, 0.8597, 3.8238

Inverse Universe

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



37.0921, 19.0672, 4.2092



41.7616, 21.4686, 4.6765



32.9421, 63.9805, 16.8490



15.8928, 15.8069, 16.9920



19.9622, 10.2573, 2.4518



1.6936, 0.8665, 0.3776

Previews

White Background



This preview shows how the XYZ color 39.0530, 18.2811, 85.4747 looks on a white background.

Color Contrast Check

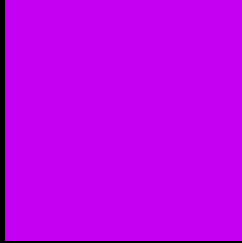
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.0530, 18.2811, 85.4747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

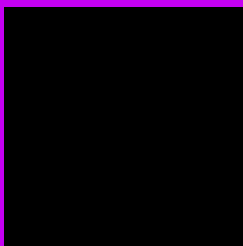
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.0530, 18.2811, 85.4747

Background



This preview shows how black text looks on a background with the XYZ color 39.0530, 18.2811, 85.4747.



This preview shows how white text looks on a background with the XYZ color 39.0530, 18.2811,

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

39.0530, 18.2811, 85.4747

Deuteranopia

19.0971, 18.7741, 66.2356

Tritanopia

24.6219, 18.4908, 14.8417

Trichromacy



Original Color

39.0530, 18.2811, 85.4747

Deuteranomaly

18.8514, 12.2083, 71.8839

Tritanomaly

27.1328, 15.7220, 31.7416

Monochromacy



Original Color

39.0530, 18.2811, 85.4747

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

15.0765, 9.2276, 26.9731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0530, 18.2811, 85.4747 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(197, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(197, 0, 242)  
}
```

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(197, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 39.0530, 18.2811, 85.4747 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(197, 0, 242) }
```

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

```
.border{ border-color:rgb(197, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(197, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(197, 0,  
242) }
```


Background

The CSS property to change the background color of an element to XYZ 39.0530, 18.2811, 85.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 242) }
```

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

```
.background{ background-color: rgb(197, 0,  
242) }
```

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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