

Converting Colors

$Y_{xy}(18.5881, 0.2789, 0.1310)$

Have a look what the booklet for
Yxy(18.5881, 0.2789, 0.1310)
contains.

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Color

Yxy(18.5706, 0.2784, 0.1307)

Conversions

Conversions Part 1

Format	Color
Hex	C800F0
RGB	200, 0, 240
RGB Percent	78%, 0%, 94%
CMY	0.2156, 1.0000, 0.0587
CMYK	0.17, 1.00, 0.00, 0.06
HSL	290°, 100%, 47%
HSV	290°, 100%, 94%
XYZ	39.5567, 18.5706, 83.9584
YIQ	87.1600, 42.1600, 117.0400

Conversions

Conversions Part 2

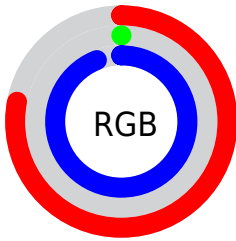
Format	Color
R_{YB}	200, 0, 240
Decimal	13107440
CIE _{Lab}	50.18, 88.04, -69.29
CIE _{LCh}	50, 112.041, 321.795
Yxy	18.5706, 0.2784, 0.1307
Android (android.graphics.Color)	4291297520 (0xFFC800F0)
YUV	87.1600, 75.3501, 98.9607
Hunter-Lab	43.0936, 88.4356, -85.3480

Details

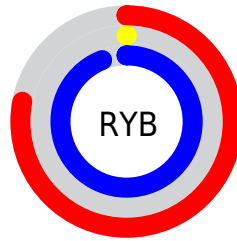
The Yxy color **18.5706, 0.2784, 0.1307** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light saturated magenta. A complement of this color would be **62.7871, 0.3044, 0.5965**, and the grayscale version is **9.3983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4854, 0.3195, 0.1842**, and **8.9943, 0.2621, 0.1218** is the 20% darker color. If you saturate the color by 10%, you get **18.5767, 0.2784, 0.1307**, and if you desaturate by 10%, it is **19.7881, 0.2828, 0.1366**.

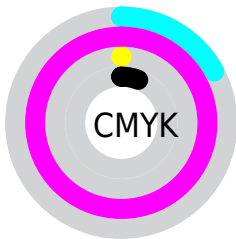
Distribution



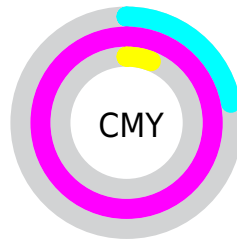
- Red (78%)
- Green (0%)
- Blue (94%)



- Red (78%)
- Yellow (0%)
- Blue (94%)



- Cyan (17%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)




- Cyan (22%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5706, 0.2784, 0.1307 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 Yxy color 18.5706, 0.2784, 0.1307 by changing the saturation by 10% instead.


 18.5706, 0.2784,
0.1307


 18.5706, 0.2784,
0.1307


244.0679, 0.3028,
0.2203


 11.3604, 0.2706,
0.1123

 41.0072, 0.2887,
0.1605


 6.3098, 0.2598,
0.0911


 57.0025, 0.2922,
0.1725

 3.0344, 0.2446,
0.0672


 76.6949, 0.2949,
0.1830

 1.1497, 0.2225,
0.0415

 100.4688, 0.2971,
0.1923

 0.0200, 0.1927,
0.0013

 128.7087, 0.2990,
0.2005

 0.0000, 0.1415,
0.0000

 161.7989, 0.3005,

 0.0000, 0.0187,

0.2079

0.0000

200.1238, 0.3017,
0.2144

■ 0.0000, 0.0000,
0.0000

■ 18.5706, 0.2784,
0.1307

■ 18.5706, 0.2784,
0.1307

■ 18.5767, 0.2784,
0.1307

■ 19.7881, 0.2828,
0.1366

■ 21.8216, 0.2872,
0.1464

■ 24.9303, 0.2916,
0.1608

■ 29.2641, 0.2958,
0.1795

■ 34.9493, 0.2998,
0.2016

■ 42.0963, 0.3033,
0.2261

■ 50.8038, 0.3063,
0.2521

■ 61.1622, 0.3089,
0.2784

■ 73.2547, 0.3110,
0.3042

Harmonies

Analogous

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



18.5706, 0.1425, 0.0996



18.5706, 0.2784, 0.1307



18.5706, 0.4934, 0.1938

Triad

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



18.5706, 0.2784, 0.1307



18.5706, 0.5282, 0.4718



18.5706, 0.0608, 0.2494

Complementary

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



18.5706, 0.2784, 0.1307



62.7871, 0.3044, 0.5965

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.



18.5706, 0.1137, 0.5237



18.5706, 0.2784, 0.1307



18.5706, 0.3720, 0.6280

Square

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



18.5706, 0.2784, 0.1307



18.5706, 0.6460, 0.3540



18.5706, 0.2276, 0.7246



18.5706, 0.0552, 0.1339

Rectangle

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



18.5706, 0.2784, 0.1307



18.5706, 0.6185, 0.2452



18.5706, 0.2276, 0.7246



18.5706, 0.0714, 0.3219

Sweetspot

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



18.5767, 0.2784, 0.1307



58.1822, 0.3063, 0.2518



7.8108, 0.1535, 0.0727



11.5023, 0.3051, 0.2407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5767, 0.2784, 0.1307



21.2930, 0.2783, 0.1307



21.0687, 0.4295, 0.2140



15.8904, 0.3111, 0.3055



10.2170, 0.2791, 0.1311



0.8850, 0.2849, 0.1343

Inverse Universe

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



18.6832, 0.6188, 0.3182



21.4307, 0.6194, 0.3186



62.9154, 0.2872, 0.5541



15.8018, 0.3267, 0.3251



10.2378, 0.6156, 0.3165



0.8641, 0.5823, 0.2982

Previews

White Background



This preview shows how the Yxy color 18.5706, 0.2784, 0.1307 looks on a white background.

Color Contrast Check

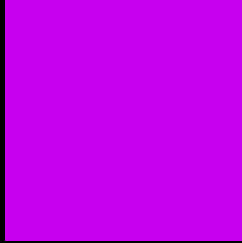
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.5706, 0.2784, 0.1307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

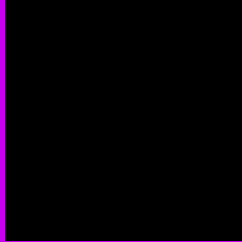
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5706, 0.2784, 0.1307

Background



This preview shows how black text looks on a background with the Yxy color 18.5706, 0.2784, 0.1307.



This preview shows how white text looks on a background with the Yxy color 18.5706, 0.2784, 0.1307.

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

18.5706, 0.2784, 0.1307

Protanopia

19.3764, 0.1741, 0.1467

Deuteranopia

19.1757, 0.1831, 0.1791



Tritanopia

18.7687, 0.4323, 0.3193

Trichromacy



Original Color

18.5706, 0.2784, 0.1307



Protanomaly

12.8457, 0.1775, 0.1059



Deuteranomaly

12.3015, 0.1834, 0.1183



Tritanomaly

16.1901, 0.3708, 0.2143

Monochromacy



Original Color

18.5706, 0.2784, 0.1307



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3047, 0.2956, 0.1806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5706, 0.2784, 0.1307 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, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(200, 0, 240)  
}
```

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, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 0, 240) }
```

Border

The CSS property to change the border of an element to Yxy 18.5706, 0.2784, 0.1307 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, 0, 240) }
```

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

```
.border{ border-color:rgb(200, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(200, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(200, 0,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5706, 0.2784, 0.1307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 0, 240) }
```

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

```
.background{ background-color: rgb(200, 0,  
240) }
```

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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