

Converting Colors

$Yxy(16.1824, 0.2782, 0.1306)$

Have a look what the booklet for
Yxy(16.1824, 0.2782, 0.1306)
contains.

Yxy(16.1824, 0.2782, 0.1306)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.1824, 0.2782, 0.1306)

Conversions

Conversions Part 1

Format	Color
Hex	BC00E2
RGB	188, 0, 226
RGB Percent	74%, 0%, 89%
CMY	0.2626, 1.0000, 0.1137
CMYK	0.17, 1.00, 0.00, 0.11
HSL	290°, 100%, 44%
HSV	290°, 100%, 89%
XYZ	34.4712, 16.1824, 73.2545
YIQ	81.9760, 39.5020, 110.1420

Conversions

Conversions Part 2

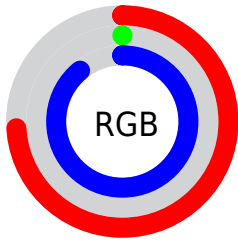
Format	Color
RYB	188, 0, 226
Decimal	12320994
CIELab	47.21, 84.10, -66.26
CIELCh	47, 107.066, 321.766
Yxy	16.1824, 0.2782, 0.1306
Android (android.graphics.Color)	4290511074 (0xFFBC00E2)
YUV	81.9760, 71.0038, 92.9830
Hunter-Lab	40.2274, 82.5606, -79.8086

Details

The Yxy color **16.1824, 0.2782, 0.1306** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **54.8015, 0.3046, 0.5963**, and the grayscale version is **8.2842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8419, 0.3140, 0.1798**, and **7.5317, 0.2620, 0.1217** is the 20% darker color. If you saturate the color by 10%, you get **16.1860, 0.2782, 0.1306**, and if you desaturate by 10%, it is **17.2717, 0.2826, 0.1367**.

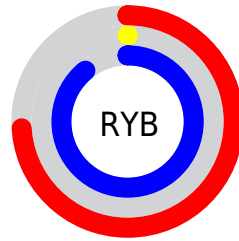
Distribution



Red (74%)

Green (0%)

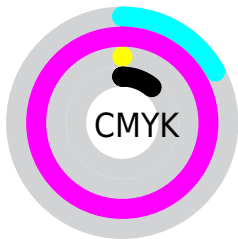
Blue (89%)



Red (74%)

Yellow (0%)

Blue (89%)

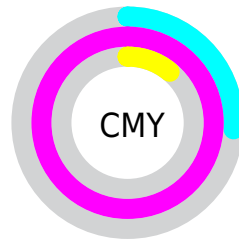


Cyan (17%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (26%)

Magenta (100%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1824, 0.2782, 0.1306 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 16.1824, 0.2782, 0.1306 by changing the saturation by 10% instead.


 16.1824, 0.2782,
0.1306

 16.1824, 0.2782,
0.1306


230.4156, 0.3031,
0.2226

 9.6533, 0.2699,
0.1113


 36.9146, 0.2889,
0.1616


 5.1697, 0.2584,
0.0889


 51.8864, 0.2924,
0.1740


 2.3472, 0.2417,
0.0636


 70.4414, 0.2952,
0.1848

 0.7985, 0.2170,
0.0365

 92.9638, 0.2975,
0.1942

 0.0000, 0.1817,
0.0000

 119.8380, 0.2993,
0.2026

 0.0000, 0.1231,
0.0000

 151.4484, 0.3008,

 0.0000, 0.0000,

0.2100

0.0000

188.1795, 0.3021,
0.2166

■ 16.1824, 0.2782,
0.1306

■ 16.1824, 0.2782,
0.1306

■ 16.1860, 0.2782,
0.1306

■ 17.2717, 0.2826,
0.1367

■ 19.0681, 0.2871,
0.1466

■ 21.8003, 0.2915,
0.1611

■ 25.5974, 0.2957,
0.1798

■ 30.5677, 0.2997,
0.2019

■ 36.8066, 0.3032,
0.2264

■ 44.3991, 0.3063,
0.2523

■ 53.4232, 0.3089,
0.2785

■ 63.9508, 0.3110,
0.3043

Harmonies

Analogous

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



16.1824, 0.1423, 0.0996



16.1824, 0.2782, 0.1306



16.1824, 0.4933, 0.1937

Triad

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



16.1824, 0.2782, 0.1306



16.1824, 0.5283, 0.4717



16.1824, 0.0607, 0.2495

Complementary

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



16.1824, 0.2782, 0.1306



54.8015, 0.3046, 0.5963

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.



16.1824, 0.1137, 0.5242



16.1824, 0.2782, 0.1306



16.1824, 0.3721, 0.6279

Square

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



16.1824, 0.2782, 0.1306



16.1824, 0.6462, 0.3538



16.1824, 0.2276, 0.7248



16.1824, 0.0552, 0.1339

Rectangle

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



16.1824, 0.2782, 0.1306



16.1824, 0.6185, 0.2451



16.1824, 0.2276, 0.7248



16.1824, 0.0713, 0.3221

Sweetspot

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



16.1860, 0.2782, 0.1306



58.1638, 0.3062, 0.2518



7.1067, 0.1543, 0.0754



11.4978, 0.3050, 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.



16.1860, 0.2782, 0.1306



21.2414, 0.2779, 0.1305



18.5154, 0.4225, 0.2101



13.8130, 0.3111, 0.3057



9.2797, 0.2789, 0.1310



0.6745, 0.2857, 0.1348

Inverse Universe

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



16.3077, 0.6178, 0.3177



21.4332, 0.6191, 0.3184



54.8523, 0.2883, 0.5577



13.7379, 0.3266, 0.3251



9.3158, 0.6147, 0.3160



0.6572, 0.5749, 0.2941

Previews

White Background



This preview shows how the Yxy color 16.1824, 0.2782, 0.1306 looks on a white background.

Color Contrast Check

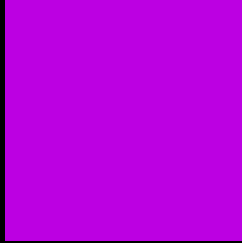
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.1824, 0.2782, 0.1306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

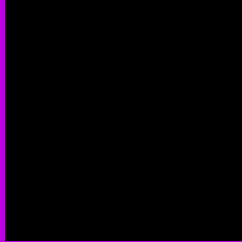
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.1824, 0.2782, 0.1306

Background



This preview shows how black text looks on a background with the Yxy color 16.1824, 0.2782, 0.1306.



This preview shows how white text looks on a background with the Yxy color 16.1824, 0.2782, 0.1306.

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

16.1824, 0.2782, 0.1306

Protanopia

16.9214, 0.1743, 0.1475

Deuteranopia

16.8504, 0.1834, 0.1803



Tritanopia

16.5170, 0.4307, 0.3202

Trichromacy



Original Color

16.1824, 0.2782, 0.1306



Protanomaly

11.2664, 0.1777, 0.1070



Deuteranomaly

10.8800, 0.1835, 0.1194



Tritanomaly

14.2565, 0.3706, 0.2152

Monochromacy



Original Color

16.1824, 0.2782, 0.1306



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.2422, 0.2975, 0.1828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1824, 0.2782, 0.1306 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(188, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 226)  
}
```

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(188, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.1824, 0.2782, 0.1306 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(188, 0, 226) }
```

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

```
.border{ border-color:rgb(188, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(188, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1824, 0.2782, 0.1306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 226) }
```

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

```
.background{ background-color: rgb(188, 0,  
226) }
```

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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