

Converting Colors

$Yxy(16.0954, 0.3111, 0.1487)$

Have a look what the booklet for
Yxy(16.0954, 0.3111, 0.1487)
contains.

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Color

Yxy(16.0954, 0.3111, 0.1487)

Conversions

Conversions Part 1

Format	Color
Hex	C400CC
RGB	196, 0, 204
RGB Percent	77%, 0%, 80%
CMY	0.2312, 1.0000, 0.1999
CMYK	0.04, 1.00, 0.00, 0.20
HSL	298°, 100%, 40%
HSV	298°, 100%, 80%
XYZ	33.6737, 16.0954, 58.4717
YIQ	81.8600, 51.3320, 104.9960

Conversions

Conversions Part 2

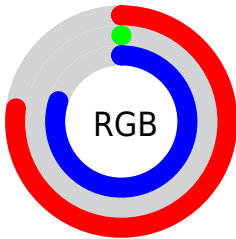
Format	Color
R_{YB}	196, 0, 204
Decimal	12845260
CIE _{Lab}	47.10, 81.82, -53.77
CIE _{LCh}	47, 97.905, 326.686
Yxy	16.0954, 0.3111, 0.1487
Android (android.graphics.Color)	4291035340 (0xFFC400CC)
YUV	81.8600, 60.2150, 100.1008
Hunter-Lab	40.1191, 79.6145, -58.3290

Details

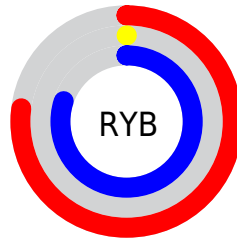
The Yxy color **16.0954, 0.3111, 0.1487** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **43.2472, 0.3007, 0.5994**, and the grayscale version is **8.2813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9622, 0.3196, 0.1823**, and **7.4883, 0.3011, 0.1432** is the 20% darker color. If you saturate the color by 10%, you get **16.1019, 0.3111, 0.1487**, and if you desaturate by 10%, it is **16.7239, 0.3120, 0.1528**.

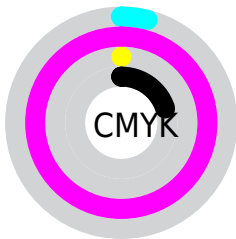
Distribution



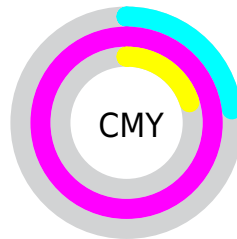
- Red (77%)
- Green (0%)
- Blue (80%)



- Red (77%)
- Yellow (0%)
- Blue (80%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (23%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0954, 0.3111, 0.1487 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 16.0954, 0.3111, 0.1487 by changing the saturation by 10% instead.


 16.0954, 0.3111,
0.1487


 16.0954, 0.3111,
0.1487


229.9040, 0.3177,
0.2354

 9.5917, 0.3075,
0.1293


 36.7637, 0.3149,
0.1788


 5.1291, 0.3017,
0.1062


 51.6972, 0.3159,
0.1905

 2.3232, 0.2920,
0.0789


 70.2093, 0.3166,
0.2006

 0.7859, 0.2753,
0.0477

 92.6845, 0.3171,
0.2094

 0.0000, 0.2491,
0.0000

 119.5071, 0.3173,
0.2171

 0.0000, 0.1854,
0.0000

 151.0617, 0.3175,

 0.0000, 0.0000,

0.2239

0.0000

187.7325, 0.3176,
0.2300

■ 16.0954, 0.3111,
0.1487

■ 16.0954, 0.3111,
0.1487

■ 16.1019, 0.3111,
0.1487

■ 16.7239, 0.3120,
0.1528

■ 17.8895, 0.3128,
0.1604

■ 19.7852, 0.3134,
0.1723

■ 22.5104, 0.3138,
0.1883

■ 26.1491, 0.3140,
0.2080

■ 30.7751, 0.3140,
0.2304

■ 36.4546, 0.3139,
0.2545

■ 43.2480, 0.3136,
0.2796

■ 51.2114, 0.3132,
0.3046

Harmonies

Analogous

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



16.0954, 0.1677, 0.1126



16.0954, 0.3111, 0.1487



16.0954, 0.5129, 0.2148

Triad

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



16.0954, 0.3111, 0.1487



16.0954, 0.5027, 0.4973



16.0954, 0.0688, 0.2320

Complementary

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



16.0954, 0.3111, 0.1487



43.2472, 0.3007, 0.5994

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.



16.0954, 0.1148, 0.4592



16.0954, 0.3111, 0.1487



16.0954, 0.3590, 0.6410

Square

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



16.0954, 0.3111, 0.1487



16.0954, 0.6202, 0.3798



16.0954, 0.2216, 0.6823



16.0954, 0.0668, 0.1361

Rectangle

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



16.0954, 0.3111, 0.1487



16.0954, 0.6155, 0.2663



16.0954, 0.2216, 0.6823



16.0954, 0.0778, 0.2909

Sweetspot

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



16.1019, 0.3111, 0.1487



59.9571, 0.3139, 0.2536



4.5821, 0.1508, 0.0627



11.9330, 0.3140, 0.2431



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.



16.1019, 0.3111, 0.1487



26.6372, 0.3110, 0.1487



14.0149, 0.4761, 0.2396



11.3805, 0.3132, 0.3061



10.1423, 0.3112, 0.1488



0.5303, 0.3132, 0.1499

Inverse Universe

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



12.8578, 0.6364, 0.3280



21.2819, 0.6373, 0.3285



43.9651, 0.2773, 0.5184



11.2207, 0.3284, 0.3281



8.0942, 0.6354, 0.3274



0.4201, 0.6198, 0.3188

Previews

White Background



This preview shows how the Yxy color 16.0954, 0.3111, 0.1487 looks on a white background.

Color Contrast Check

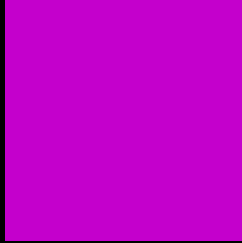
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0954, 0.3111, 0.1487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

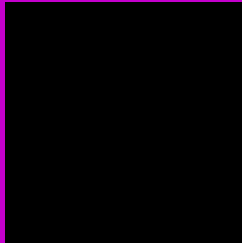
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0954, 0.3111, 0.1487

Background



This preview shows how black text looks on a background with the Yxy color 16.0954, 0.3111, 0.1487.



This preview shows how white text looks on a background with the Yxy color 16.0954, 0.3111, 0.1487.

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

16.0954, 0.3111, 0.1487

Protanopia

16.9781, 0.1741, 0.1468

Deuteranopia

16.9668, 0.2008, 0.1960



Tritanopia

16.4605, 0.4713, 0.3227

Trichromacy



Original Color

16.0954, 0.3111, 0.1487



Protanomaly

10.9938, 0.1811, 0.1108



Deuteranomaly

11.9388, 0.2205, 0.1421



Tritanomaly

14.6175, 0.4143, 0.2346

Monochromacy



Original Color

16.0954, 0.3111, 0.1487



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.1733, 0.3137, 0.1948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0954, 0.3111, 0.1487 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(196, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 204)  
}
```

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(196, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 16.0954, 0.3111, 0.1487 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(196, 0, 204) }
```

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

```
.border{ border-color:rgb(196, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(196, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(196, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0954, 0.3111, 0.1487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 204) }
```

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

```
.background{ background-color: rgb(196, 0,  
204) }
```

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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