

Converting Colors

$Yxy(16.3537, 0.3311, 0.1597)$

Have a look what the booklet for
Yxy(16.3537, 0.3311, 0.1597)
contains.

Yxy(16.4516, 0.3311, 0.1598)	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(16.4516, 0.3311, 0.1598)

Conversions

Conversions Part 1

Format	Color
Hex	CA00C2
RGB	202, 0, 194
RGB Percent	79%, 0%, 76%
CMY	0.2080, 0.9990, 0.2393
CMYK	0.00, 1.00, 0.04, 0.21
HSL	302°, 100%, 40%
HSV	302°, 100%, 79%
XYZ	34.0871, 16.4516, 52.4125
YIQ	82.5140, 58.1180, 103.1580

Conversions

Conversions Part 2

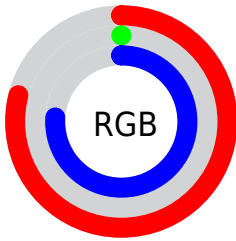
Format	Color
R_{YB}	202, 0, 194
Decimal	13238466
CIE _{Lab}	47.56, 81.27, -47.15
CIE _{LCh}	48, 93.957, 329.876
Yxy	16.4516, 0.3311, 0.1598
Android (android.graphics.Color)	4291428546 (0xFFCA00C2)
YUV	82.5140, 54.9626, 104.7892
Hunter-Lab	40.5606, 79.0305, -48.2223

Details

The Yxy color **16.4516, 0.3311, 0.1598** 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 **42.2455, 0.2994, 0.5977**, and the grayscale version is **8.4555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8793, 0.3233, 0.1857**, and **7.7331, 0.3261, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **16.4462, 0.3311, 0.1598**, and if you desaturate by 10%, it is **16.9994, 0.3298, 0.1628**.

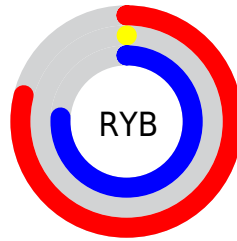
Distribution



Red (79%)

Green (0%)

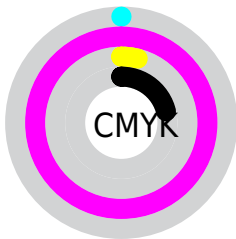
Blue (76%)



Red (79%)

Yellow (0%)

Blue (76%)

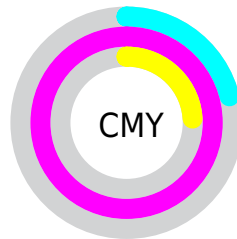


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (21%)



Cyan (21%)


Magenta (100%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4516, 0.3311, 0.1598 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 16.4516, 0.3311, 0.1598 by changing the saturation by 10% instead.


 16.4516, 0.3311,
0.1598


 16.4516, 0.3311,
0.1598


231.9920, 0.3261,
0.2424


 9.8443, 0.3307,
0.1408


 37.3804, 0.3304,
0.1888


 5.2958, 0.3292,
0.1178


 52.4708, 0.3298,
0.2001


 2.4219, 0.3253,
0.0898


 71.1575, 0.3292,
0.2097

 0.8371, 0.3163,
0.0570

 93.8251, 0.3285,
0.2180

 0.0000, 0.3028,
0.0000

 120.8580, 0.3278,
0.2253

 0.0000, 0.2468,
0.0000

 152.6405, 0.3272,

 0.0000, 0.0000,

0.2317

0.0000

189.5570, 0.3266,
0.2373

■ 16.4516, 0.3311,
0.1598

■ 16.4516, 0.3311,
0.1598

■ 16.4462, 0.3311,
0.1598

■ 16.9994, 0.3298,
0.1628

■ 18.0811, 0.3283,
0.1694

■ 19.8771, 0.3266,
0.1802

■ 22.4841, 0.3247,
0.1952

■ 25.9840, 0.3226,
0.2137

■ 30.4484, 0.3205,
0.2350

■ 35.9419, 0.3184,
0.2581

■ 42.5234, 0.3164,
0.2820

■ 50.2474, 0.3145,
0.3059

Harmonies

Analogous

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



16.4516, 0.1839, 0.1205



16.4516, 0.3311, 0.1598



16.4516, 0.5236, 0.2274

Triad

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



16.4516, 0.3311, 0.1598



16.4516, 0.4879, 0.5121



16.4516, 0.0734, 0.2225

Complementary

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



16.4516, 0.3311, 0.1598



42.2455, 0.2994, 0.5977

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.



16.4516, 0.1146, 0.4251



16.4516, 0.3311, 0.1598



16.4516, 0.3509, 0.6476

Square

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



16.4516, 0.3311, 0.1598



16.4516, 0.6041, 0.3947



16.4516, 0.2159, 0.6527



16.4516, 0.0740, 0.1372

Rectangle

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



16.4516, 0.3311, 0.1598



16.4516, 0.6131, 0.2789



16.4516, 0.2159, 0.6527



16.4516, 0.0812, 0.2746

Sweetspot

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



16.4524, 0.3311, 0.1598



60.3268, 0.3185, 0.2568



4.3135, 0.1510, 0.0606



12.0232, 0.3194, 0.2468



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.



16.4524, 0.3311, 0.1598



27.8475, 0.3313, 0.1599



13.3729, 0.5111, 0.2590



11.3958, 0.3144, 0.3070



10.5900, 0.3310, 0.1597



0.5488, 0.3288, 0.1585

Inverse Universe

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



16.4524, 0.3311, 0.1598



27.8475, 0.3313, 0.1599



43.3068, 0.2695, 0.4901



11.3958, 0.3144, 0.3070



10.5900, 0.3310, 0.1597



0.5488, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 16.4516, 0.3311, 0.1598 looks on a white background.

Color Contrast Check

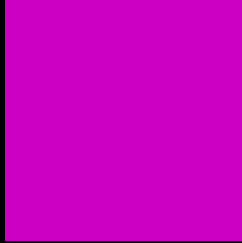
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4516, 0.3311, 0.1598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

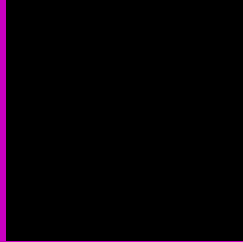
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.4516, 0.3311, 0.1598

Background



This preview shows how black text looks on a background with the Yxy color 16.4516, 0.3311, 0.1598.



This preview shows how white text looks on a background with the Yxy color 16.4516, 0.3311, 0.1598.

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

16.4516, 0.3311, 0.1598

Protanopia

17.3094, 0.1741, 0.1468

Deuteranopia

17.2166, 0.2164, 0.2112



Tritanopia

16.7101, 0.4895, 0.3233

Trichromacy



Original Color

16.4516, 0.3311, 0.1598



Protanomaly

11.0374, 0.1833, 0.1137



Deuteranomaly

12.4478, 0.2422, 0.1565



Tritanomaly

14.9884, 0.4347, 0.2429

Monochromacy



Original Color

16.4516, 0.3311, 0.1598



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.4119, 0.3240, 0.2026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4516, 0.3311, 0.1598 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(202, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 194)  
}
```

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(202, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 194) }
```

Border

The CSS property to change the border of an element to Yxy 16.4516, 0.3311, 0.1598 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(202, 0, 194) }
```

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

```
.border{ border-color:rgb(202, 0, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 0, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4516, 0.3311, 0.1598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 194) }
```

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

```
.background{ background-color: rgb(202, 0,  
194) }
```

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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