

Converting Colors

$Yxy(16.4372, 0.3365, 0.1627)$

Have a look what the booklet for
Yxy(16.4372, 0.3365, 0.1627)
contains.

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Color

Yxy(16.4581, 0.3364, 0.1627)

Conversions

Conversions Part 1

Format	Color
Hex	CB00BF
RGB	203, 0, 191
RGB Percent	80%, 0%, 75%
CMY	0.2040, 0.9995, 0.2510
CMYK	0.00, 1.00, 0.06, 0.20
HSL	304°, 100%, 40%
HSV	304°, 100%, 80%
XYZ	34.0289, 16.4581, 50.6691
YIQ	82.4710, 59.6770, 102.4370

Conversions

Conversions Part 2

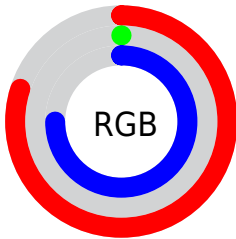
Format	Color
R_{YB}	203, 0, 191
Decimal	13303999
CIE _{Lab}	47.57, 81.03, -45.38
CIE _{LCh}	48, 92.872, 330.748
Yxy	16.4581, 0.3364, 0.1627
Android (android.graphics.Color)	4291494079 (0xFFCB00BF)
YUV	82.4710, 53.5048, 105.7039
Hunter-Lab	40.5686, 78.7307, -45.6536

Details

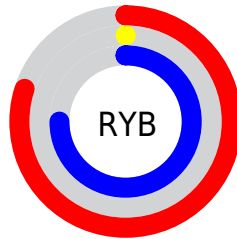
The Yxy color **16.4581, 0.3364, 0.1627** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed rose. A complement of this color would be **42.7332, 0.2991, 0.5966**, and the grayscale version is **8.4350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6916, 0.3261, 0.1877**, and **7.7354, 0.3332, 0.1609** is the 20% darker color. If you saturate the color by 10%, you get **16.4555, 0.3364, 0.1627**, and if you desaturate by 10%, it is **17.0249, 0.3345, 0.1655**.

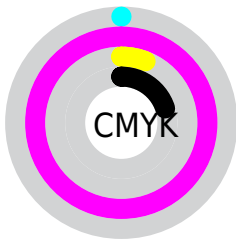
Distribution



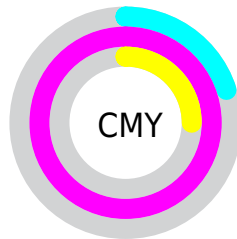
- Red (80%)
- Green (0%)
- Blue (75%)



- Red (80%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4581, 0.3364, 0.1627 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 16.4581, 0.3364, 0.1627 by changing the saturation by 10% instead.


 16.4581, 0.3364,
0.1627


 16.4581, 0.3364,
0.1627


232.0299, 0.3283,
0.2443


 9.8489, 0.3369,
0.1438


 37.3917, 0.3345,
0.1915


 5.2989, 0.3366,
0.1207


 52.4848, 0.3335,
0.2026


 2.4237, 0.3344,
0.0927


 71.1748, 0.3324,
0.2121

 0.8380, 0.3277,
0.0593

 93.8459, 0.3315,
0.2203

 0.0000, 0.3180,
0.0000

 120.8826, 0.3306,
0.2274

 0.0000, 0.2645,
0.0000

 152.6692, 0.3298,

 0.0000, 0.0000,

0.2337

0.0000

189.5902, 0.3290,
0.2393

■ 16.4581, 0.3364,
0.1627

■ 16.4581, 0.3364,
0.1627

■ 16.4555, 0.3364,
0.1627

■ 17.0249, 0.3345,
0.1655

■ 18.1302, 0.3324,
0.1718

■ 19.9577, 0.3300,
0.1824

■ 22.6054, 0.3274,
0.1972

■ 26.1563, 0.3248,
0.2155

■ 30.6831, 0.3221,
0.2365

■ 36.2511, 0.3195,
0.2592

■ 42.9200, 0.3171,
0.2827

■ 50.7451, 0.3148,
0.3062

Harmonies

Analogous

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



16.4581, 0.1882, 0.1226



16.4581, 0.3364, 0.1627



16.4581, 0.5263, 0.2307

Triad

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



16.4581, 0.3364, 0.1627



16.4581, 0.4840, 0.5160



16.4581, 0.0745, 0.2201

Complementary

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



16.4581, 0.3364, 0.1627



42.7332, 0.2991, 0.5966

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.



16.4581, 0.1144, 0.4167



16.4581, 0.3364, 0.1627



16.4581, 0.3473, 0.6467

Square

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



16.4581, 0.3364, 0.1627



16.4581, 0.5998, 0.3985



16.4581, 0.2141, 0.6447



16.4581, 0.0758, 0.1373

Rectangle

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



16.4581, 0.3364, 0.1627



16.4581, 0.6125, 0.2822



16.4581, 0.2141, 0.6447



16.4581, 0.0819, 0.2706

Sweetspot

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



16.4589, 0.3364, 0.1627



60.2322, 0.3196, 0.2581



4.3805, 0.1514, 0.0608



12.0002, 0.3207, 0.2483



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.



16.4589, 0.3364, 0.1627



27.5467, 0.3366, 0.1628



13.4602, 0.5184, 0.2630



11.3919, 0.3147, 0.3075



10.4786, 0.3362, 0.1626



0.5441, 0.3329, 0.1608

Inverse Universe

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



16.4589, 0.3364, 0.1627



27.5467, 0.3366, 0.1628



43.8696, 0.2679, 0.4844



11.3919, 0.3147, 0.3075



10.4786, 0.3362, 0.1626



0.5441, 0.3329, 0.1608

Previews

White Background



This preview shows how the Yxy color 16.4581, 0.3364, 0.1627 looks on a white background.

Color Contrast Check

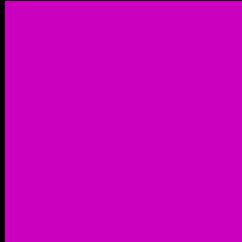
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4581, 0.3364, 0.1627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

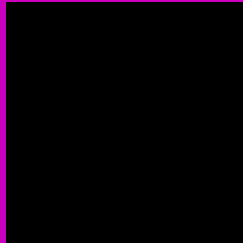
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4581, 0.3364, 0.1627

Background



This preview shows how black text looks on a background with the Yxy color 16.4581, 0.3364, 0.1627.



This preview shows how white text looks on a background with the Yxy color 16.4581, 0.3364, 0.1627.

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

16.4581, 0.3364, 0.1627

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.2216, 0.2201, 0.2157



Tritanopia

16.8178, 0.4943, 0.3234

Trichromacy



Original Color

16.4581, 0.3364, 0.1627



Protanomaly

11.0768, 0.1839, 0.1140



Deuteranomaly

12.5440, 0.2481, 0.1606



Tritanomaly

15.2057, 0.4411, 0.2465

Monochromacy



Original Color

16.4581, 0.3364, 0.1627



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.4634, 0.3275, 0.2048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4581, 0.3364, 0.1627 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(203, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(203, 0, 191)  
}
```

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(203, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 0, 191) }
```

Border

The CSS property to change the border of an element to Yxy 16.4581, 0.3364, 0.1627 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(203, 0, 191) }
```

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

```
.border{ border-color:rgb(203, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(203, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(203, 0,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4581, 0.3364, 0.1627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 0, 191) }
```

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

```
.background{ background-color: rgb(203, 0,  
191) }
```

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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