

Converting Colors

$Y_{xy}(15.7185, 0.3780, 0.1856)$

Have a look what the booklet for
Yxy(15.7185, 0.3780, 0.1856)
contains.

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Color

Yxy(15.6957, 0.3778, 0.1855)

Conversions

Conversions Part 1

Format	Color
Hex	CD00A5
RGB	205, 0, 165
RGB Percent	80%, 0%, 65%
CMY	0.1961, 0.9996, 0.3529
CMYK	0.00, 1.00, 0.19, 0.20
HSL	312°, 100%, 40%
HSV	312°, 100%, 80%
XYZ	31.9668, 15.6957, 36.9505
YIQ	80.1050, 69.2150, 94.7750

Conversions

Conversions Part 2

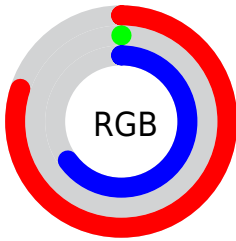
Format	Color
R_{YB}	205, 0, 165
Decimal	13435045
CIE _{Lab}	46.57, 78.01, -31.62
CIE _{LCh}	47, 84.170, 337.935
Yxy	15.6957, 0.3778, 0.1855
Android (android.graphics.Color)	4291625125 (0xFFCD00A5)
YUV	80.1050, 41.8532, 109.5329
Hunter-Lab	39.6178, 74.6967, -27.5658

Details

The Yxy color **15.6957, 0.3778, 0.1855** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **43.8104, 0.2949, 0.5816**, and the grayscale version is **7.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9095, 0.3552, 0.2080**, and **7.3032, 0.3864, 0.1902** is the 20% darker color. If you saturate the color by 10%, you get **15.6938, 0.3778, 0.1855**, and if you desaturate by 10%, it is **16.3639, 0.3706, 0.1861**.

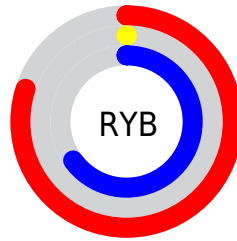
Distribution



Red (80%)

Green (0%)

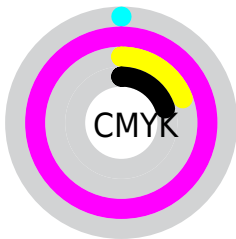
Blue (65%)



Red (80%)

Yellow (0%)

Blue (65%)

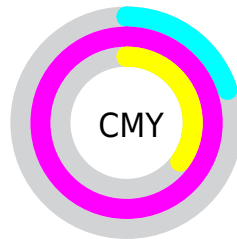


Cyan (0%)

Magenta (100%)

Yellow (19%)

Black (20%)



Cyan (20%)

Magenta (100%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6957, 0.3778, 0.1855 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 15.6957, 0.3778, 0.1855 by changing the saturation by 10% instead.


 15.6957, 0.3778,
0.1855


 15.6957, 0.3778,
0.1855

227.5394, 0.3446,
0.2590


 9.3091, 0.3860,
0.1672


 36.0691, 0.3657,
0.2123

 4.9433, 0.3964,
0.1441


 50.8247, 0.3612,
0.2224

 2.2140, 0.4096,
0.1145


 69.1387, 0.3573,
0.2309

 0.7276, 0.4267,
0.0758

 91.3956, 0.3540,
0.2382

 0.0000, 0.4602,
0.0000

 117.9797, 0.3512,
0.2444

 0.0000, 0.4535,
0.0000

 149.2754, 0.3487,

 0.0000, 0.0000,

0.2499

0.0000

185.6672, 0.3465,
0.2547

■ 15.6957, 0.3778,
0.1855

■ 15.6957, 0.3778,
0.1855

■ 15.6938, 0.3778,
0.1855

■ 16.3639, 0.3706,
0.1861

■ 17.5871, 0.3632,
0.1906

■ 19.5529, 0.3556,
0.1997

■ 22.3618, 0.3479,
0.2129

■ 26.0990, 0.3406,
0.2295

■ 30.8389, 0.3337,
0.2483

■ 36.6486, 0.3275,
0.2684

■ 43.5893, 0.3219,
0.2890

■ 51.7176, 0.3170,
0.3094

Harmonies

Analogous

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



15.6957, 0.2235, 0.1389



15.6957, 0.3778, 0.1855



15.6957, 0.5459, 0.2560

Triad

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



15.6957, 0.3778, 0.1855



15.6957, 0.4544, 0.5456



15.6957, 0.0825, 0.2027

Complementary

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



15.6957, 0.3778, 0.1855



43.8104, 0.2949, 0.5816

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.



15.6957, 0.1122, 0.3580



15.6957, 0.3778, 0.1855



15.6957, 0.3208, 0.6395

Square

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



15.6957, 0.3778, 0.1855



15.6957, 0.5675, 0.4281



15.6957, 0.1978, 0.5794



15.6957, 0.0905, 0.1384

Rectangle

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



15.6957, 0.3778, 0.1855



15.6957, 0.6069, 0.3076



15.6957, 0.1978, 0.5794



15.6957, 0.0874, 0.2419

Sweetspot

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



15.6965, 0.3778, 0.1855



59.5960, 0.3277, 0.2675



4.8147, 0.1581, 0.0645



11.8460, 0.3303, 0.2589



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.



15.6965, 0.3778, 0.1855



25.6802, 0.3787, 0.1860



13.3606, 0.5719, 0.2924



11.3648, 0.3167, 0.3105



9.7850, 0.3769, 0.1850



0.5147, 0.3640, 0.1779

Inverse Universe

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



15.6965, 0.3778, 0.1855



25.6802, 0.3787, 0.1860



45.5533, 0.2546, 0.4365



11.3648, 0.3167, 0.3105



9.7850, 0.3769, 0.1850



0.5147, 0.3640, 0.1779

Previews

White Background



This preview shows how the Yxy color 15.6957, 0.3778, 0.1855 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 15.6957, 0.3778, 0.1855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

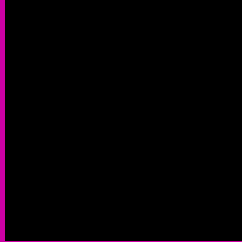
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6957, 0.3778, 0.1855

Background



This preview shows how black text looks on a background with the Yxy color 15.6957, 0.3778, 0.1855.



This preview shows how white text looks on a background with the Yxy color 15.6957, 0.3778, 0.1855.

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

15.6957, 0.3778, 0.1855

Protanopia

16.4946, 0.1735, 0.1447

Deuteranopia

16.3881, 0.2521, 0.2467



Tritanopia

16.0806, 0.5257, 0.3253

Trichromacy



Original Color

15.6957, 0.3778, 0.1855



Protanomaly

10.2571, 0.1879, 0.1183



Deuteranomaly

12.4130, 0.2895, 0.1892



Tritanomaly

14.8647, 0.4797, 0.2630

Monochromacy



Original Color

15.6957, 0.3778, 0.1855



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

7.8753, 0.3448, 0.2170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6957, 0.3778, 0.1855 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(205, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 165)  
}
```

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(205, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 165) }
```

Border

The CSS property to change the border of an element to Yxy 15.6957, 0.3778, 0.1855 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(205, 0, 165) }
```

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

```
.border{ border-color:rgb(205, 0, 165) }
```

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

Here you see how a box with a 4 pixel rgb(205, 0, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(205, 0,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6957, 0.3778, 0.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 165) }
```

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

```
.background{ background-color: rgb(205, 0,  
165) }
```

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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