

Converting Colors

$Y_{xy}(16.8579, 0.3032, 0.1506)$

Have a look what the booklet for
Yxy(16.8579, 0.3032, 0.1506)
contains.

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Color

Yxy(16.8201, 0.3027, 0.1504)

Conversions

Conversions Part 1

Format	Color
Hex	C11ED0
RGB	193, 30, 208
RGB Percent	76%, 12%, 82%
CMY	0.2430, 0.8828, 0.1842
CMYK	0.07, 0.86, 0.00, 0.18
HSL	295°, 75%, 47%
HSV	295°, 86%, 82%
XYZ	33.8527, 16.8201, 61.1630
YIQ	99.0290, 40.0100, 89.9140

Conversions

Conversions Part 2

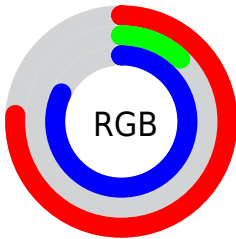
Format	Color
R _{YB}	193, 30, 208
Decimal	12656336
CIE _{Lab}	48.03, 78.42, -54.62
CIE _{LCh}	48, 95.567, 325.143
Y _{xy}	16.8201, 0.3027, 0.1504
Android (android.graphics.Color)	4290846416 (0xFFC11ED0)
YUV	99.0290, 53.7227, 82.4126
Hunter-Lab	41.0123, 75.5672, -59.7125

Details

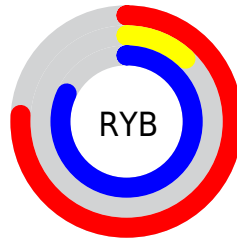
The Yxy color **16.8201, 0.3027, 0.1504** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **45.7799, 0.3043, 0.5835**, and the grayscale version is **12.3248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2170, 0.3175, 0.1872**, and **7.3682, 0.2902, 0.1372** is the 20% darker color. If you saturate the color by 10%, you get **15.8666, 0.3006, 0.1443**, and if you desaturate by 10%, it is **18.4700, 0.3047, 0.1607**.

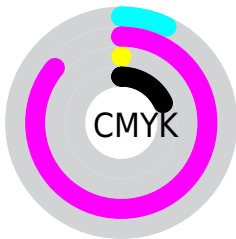
Distribution



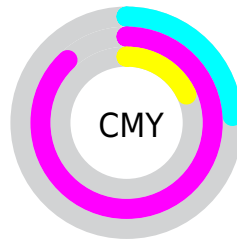
- Red (76%)
- Green (12%)
- Blue (82%)



- Red (76%)
- Yellow (12%)
- Blue (82%)



- Cyan (7%)
- Magenta (86%)
- Yellow (0%)
- Black (18%)




- Cyan (24%)
- Magenta (88%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8201, 0.3027, 0.1504 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 16.8201, 0.3027, 0.1504 by changing the saturation by 10% instead.


 16.8201, 0.3027,
0.1504


 16.8201, 0.3027,
0.1504

234.1335, 0.3136,
0.2360


 10.1063, 0.2981,
0.1313


 38.0162, 0.3081,
0.1801


 5.4695, 0.2910,
0.1085


 53.2673, 0.3097,
0.1917


 2.5253, 0.2799,
0.0815


 72.1330, 0.3109,
0.2017

 0.8893, 0.2614,
0.0507

 94.9976, 0.3117,
0.2104

 0.0000, 0.2342,
0.0000

 122.2456, 0.3124,
0.2180

 0.0000, 0.1709,
0.0000

 154.2613, 0.3129,

 0.0000, 0.0000,

0.2247

0.0000

191.4291, 0.3133,
0.2307

■ 16.8201, 0.3027,
0.1504

■ 16.8201, 0.3027,
0.1504

■ 15.8666, 0.3006,
0.1443

■ 18.4700, 0.3047,
0.1607

■ 15.5706, 0.2997,
0.1424

■ 20.9329, 0.3066,
0.1754

■ 24.3061, 0.3082,
0.1940

■ 28.6726, 0.3096,
0.2158

■ 34.1059, 0.3107,
0.2397

■ 40.6729, 0.3116,
0.2649

■ 48.4348, 0.3122,
0.2903

■ 57.4483, 0.3126,
0.3153

■ 67.7667, 0.3128,
0.3393

Harmonies

Analogous

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



16.8201, 0.1666, 0.1161



16.8201, 0.3027, 0.1504



16.8201, 0.4964, 0.2146

Triad

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



16.8201, 0.3027, 0.1504



16.8201, 0.5090, 0.4910



16.8201, 0.0751, 0.2443

Complementary

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



16.8201, 0.3027, 0.1504



45.7799, 0.3043, 0.5835

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.



16.8201, 0.1252, 0.4687



16.8201, 0.3027, 0.1504



16.8201, 0.3709, 0.6291

Square

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



16.8201, 0.3027, 0.1504



16.8201, 0.6160, 0.3771



16.8201, 0.2342, 0.6715



16.8201, 0.0707, 0.1441

Rectangle

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



16.8201, 0.3027, 0.1504



16.8201, 0.6001, 0.2658



16.8201, 0.2342, 0.6715



16.8201, 0.0853, 0.3042

Sweetspot

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



16.8208, 0.3027, 0.1504



63.7027, 0.3115, 0.2632



6.9191, 0.1616, 0.0862



12.8186, 0.3112, 0.2543



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.



16.8208, 0.3027, 0.1504



24.6325, 0.2994, 0.1423



16.1378, 0.4292, 0.2236



11.9563, 0.3125, 0.3060



9.7210, 0.3000, 0.1426



0.5588, 0.3041, 0.1449

Inverse Universe

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



14.5266, 0.5946, 0.3204



21.3159, 0.6331, 0.3261



46.3482, 0.2774, 0.5051



11.8242, 0.3278, 0.3271



8.3900, 0.6299, 0.3244



0.4748, 0.6002, 0.3080

Previews

White Background



This preview shows how the Yxy color 16.8201, 0.3027, 0.1504 looks on a white background.

Color Contrast Check

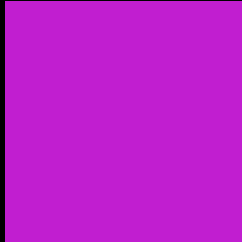
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8201, 0.3027, 0.1504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

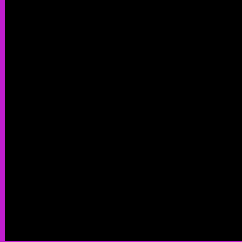
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8201, 0.3027, 0.1504

Background



This preview shows how black text looks on a background with the Yxy color 16.8201, 0.3027, 0.1504.



This preview shows how white text looks on a background with the Yxy color 16.8201, 0.3027, 0.1504.

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

16.8201, 0.3027, 0.1504

Protanopia

17.3094, 0.1741, 0.1468

Deuteranopia

17.2606, 0.1979, 0.1926



Tritanopia

16.8360, 0.4523, 0.3209

Trichromacy



Original Color

16.8201, 0.3027, 0.1504



Protanomaly

12.7729, 0.1829, 0.1221



Deuteranomaly

13.6704, 0.2181, 0.1529



Tritanomaly

15.6922, 0.3941, 0.2382

Monochromacy



Original Color

16.8201, 0.3027, 0.1504



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.7482, 0.3088, 0.2162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8201, 0.3027, 0.1504 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(193, 30, 208)` looks like.

```
.text, #text, p{  
    color:rgb(193, 30, 208)  
}
```

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(193, 30, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 30, 208) }
```

Border

The CSS property to change the border of an element to Yxy 16.8201, 0.3027, 0.1504 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(193, 30, 208) }
```

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

```
.border{ border-color:rgb(193, 30, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 30, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 30, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 30, 208); box-shadow:4px 4px 4px 4px rgb(193, 30, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8201, 0.3027, 0.1504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 30, 208) }
```

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

```
.background{ background-color: rgb(193, 30,  
208) }
```

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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