

Converting Colors

$Y_{xy}(18.6020, 0.3203, 0.1538)$

Have a look what the booklet for
Yxy(18.6020, 0.3203, 0.1538)
contains.

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Color

Yxy(18.6024, 0.3197, 0.1535)

Conversions

Conversions Part 1

Format	Color
Hex	D300D4
RGB	211, 0, 212
RGB Percent	83%, 0%, 83%
CMY	0.1726, 0.9994, 0.1686
CMYK	0.00, 1.00, 0.00, 0.17
HSL	300°, 100%, 42%
HSV	300°, 100%, 83%
XYZ	38.7439, 18.6024, 63.8420
YIQ	87.2570, 57.7040, 110.6640

Conversions

Conversions Part 2

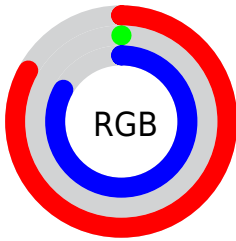
Format	Color
RYB	211, 0, 212
Decimal	13828308
CIELab	50.22, 85.30, -53.23
CIELCh	50, 100.548, 328.038
Yxy	18.6024, 0.3197, 0.1535
Android (android.graphics.Color)	4292018388 (0xFFD300D4)
YUV	87.2570, 61.4983, 108.5226
Hunter-Lab	43.1305, 84.8672, -57.5700

Details

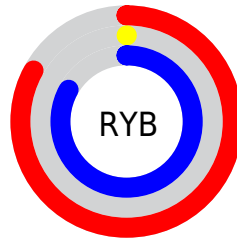
The Yxy color **18.6024, 0.3197, 0.1535** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **47.0997, 0.3001, 0.5999**, and the grayscale version is **9.4651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **8.9796, 0.3130, 0.1498** is the 20% darker color. If you saturate the color by 10%, you get **18.5997, 0.3197, 0.1535**, and if you desaturate by 10%, it is **19.1647, 0.3197, 0.1569**.

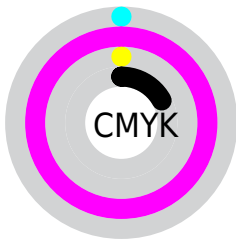
Distribution



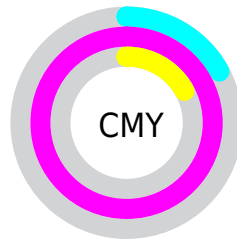
- Red (83%)
- Green (0%)
- Blue (83%)



- Red (83%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6024, 0.3197, 0.1535 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 18.6024, 0.3197, 0.1535 by changing the saturation by 10% instead.


 18.6024, 0.3197,
0.1535


 18.6024, 0.3197,
0.1535


244.2449, 0.3214,
0.2364

 11.3833, 0.3176,
0.1352


 41.0612, 0.3216,
0.1820


 6.3253, 0.3139,
0.1134


 57.0696, 0.3219,
0.1932

 3.0439, 0.3074,
0.0874


 76.7767, 0.3220,
0.2029

 1.1547, 0.2956,
0.0575

 100.5668, 0.3220,
0.2114

 0.0242, 0.2801,
0.0024

 128.8243, 0.3219,
0.2188

 0.0000, 0.2314,
0.0000

 161.9335, 0.3218,

 0.0000, 0.0007,

0.2254

0.0000

200.2789, 0.3216,
0.2312

■ 0.0000, 0.0000,
0.0000

■ 18.6024, 0.3197,
0.1535

■ 18.6024, 0.3197,
0.1535

■ 18.5997, 0.3197,
0.1535

■ 19.1647, 0.3197,
0.1569

■ 20.3263, 0.3195,
0.1638

■ 22.2856, 0.3191,
0.1749

■ 25.1521, 0.3185,
0.1903

■ 29.0182, 0.3178,
0.2093

■ 33.9648, 0.3169,
0.2312

■ 40.0647, 0.3159,
0.2550

■ 47.3844, 0.3148,
0.2798

■ 55.9853, 0.3138,
0.3048

Harmonies

Analogous

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



18.6024, 0.1746, 0.1160



18.6024, 0.3197, 0.1535



18.6024, 0.5175, 0.2203

Triad

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



18.6024, 0.3197, 0.1535



18.6024, 0.4963, 0.5037



18.6024, 0.0709, 0.2278

Complementary

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



18.6024, 0.3197, 0.1535



47.0997, 0.3001, 0.5999

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.



18.6024, 0.1148, 0.4441



18.6024, 0.3197, 0.1535



18.6024, 0.3557, 0.6443

Square

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



18.6024, 0.3197, 0.1535



18.6024, 0.6124, 0.3858



18.6024, 0.2194, 0.6697



18.6024, 0.0699, 0.1366

Rectangle

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



18.6024, 0.3197, 0.1535



18.6024, 0.6144, 0.2717



18.6024, 0.2194, 0.6697



18.6024, 0.0793, 0.2838

Sweetspot

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



18.6033, 0.3197, 0.1535



60.4496, 0.3159, 0.2541



4.8351, 0.1503, 0.0609



12.0531, 0.3164, 0.2437



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.



18.6033, 0.3197, 0.1535



28.2456, 0.3197, 0.1535



15.1194, 0.4906, 0.2477



12.6295, 0.3137, 0.3060



11.4827, 0.3197, 0.1535



0.6936, 0.3199, 0.1536

Inverse Universe

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



14.0046, 0.6395, 0.3297



21.2627, 0.6397, 0.3298



48.0631, 0.2744, 0.5077



12.4218, 0.3290, 0.3289



8.6429, 0.6395, 0.3297



0.5217, 0.6377, 0.3287

Previews

White Background



This preview shows how the Yxy color 18.6024, 0.3197, 0.1535 looks on a white background.

Color Contrast Check

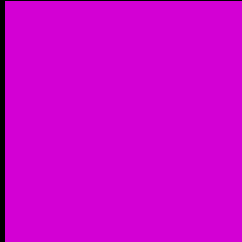
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.6024, 0.3197, 0.1535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

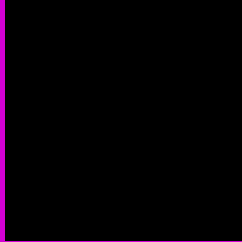
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6024, 0.3197, 0.1535

Background



This preview shows how black text looks on a background with the Yxy color 18.6024, 0.3197, 0.1535.



This preview shows how white text looks on a background with the Yxy color 18.6024, 0.3197, 0.1535.

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

18.6024, 0.3197, 0.1535

Protanopia

19.4380, 0.1739, 0.1460

Deuteranopia

19.3822, 0.2070, 0.2019



Tritanopia

18.9135, 0.4800, 0.3221

Trichromacy



Original Color

18.6024, 0.3197, 0.1535



Protanomaly

12.5504, 0.1821, 0.1119



Deuteranomaly

13.9460, 0.2296, 0.1479



Tritanomaly

16.9639, 0.4230, 0.2376

Monochromacy



Original Color

18.6024, 0.3197, 0.1535



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3039, 0.3189, 0.1972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6024, 0.3197, 0.1535 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(211, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 212)  
}
```

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(211, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 212) }
```

Border

The CSS property to change the border of an element to Yxy 18.6024, 0.3197, 0.1535 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(211, 0, 212) }
```

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

```
.border{ border-color:rgb(211, 0, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(211, 0,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6024, 0.3197, 0.1535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 212) }
```

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

```
.background{ background-color: rgb(211, 0,  
212) }
```

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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