

Converting Colors

$Y_{xy}(19.8522, 0.3238, 0.1563)$

Have a look what the booklet for
Yxy(19.8522, 0.3238, 0.1563)
contains.

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Color

Yxy(19.8986, 0.3244, 0.1566)

Conversions

Conversions Part 1

Format	Color
Hex	DA04D7
RGB	218, 4, 215
RGB Percent	85%, 2%, 84%
CMY	0.1451, 0.9840, 0.1569
CMYK	0.00, 0.98, 0.01, 0.15
HSL	301°, 96%, 44%
HSV	301°, 98%, 85%
XYZ	41.2203, 19.8986, 65.9475
YIQ	92.0400, 59.8130, 110.9890

Conversions

Conversions Part 2

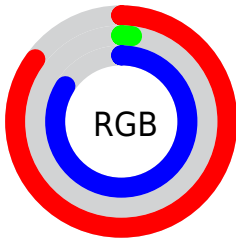
Format	Color
R_{YB}	218, 4, 215
Decimal	14288087
CIE _{Lab}	51.72, 86.56, -52.45
CIE _{LCh}	52, 101.213, 328.785
Yxy	19.8986, 0.3244, 0.1566
Android (android.graphics.Color)	4292478167 (0xFFDA04D7)
YUV	92.0400, 60.6193, 110.4669
Hunter-Lab	44.6078, 86.8810, -56.4278

Details

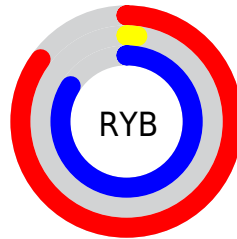
The Yxy color **19.8986, 0.3244, 0.1566** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **50.1840, 0.2999, 0.5981**, and the grayscale version is **10.5726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0294, 0.3194, 0.1861**, and **9.7723, 0.3194, 0.1533** is the 20% darker color. If you saturate the color by 10%, you get **19.8077, 0.3245, 0.1561**, and if you desaturate by 10%, it is **20.5605, 0.3238, 0.1601**.

Distribution



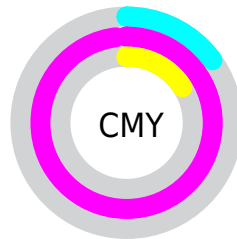
- Red (85%)
- Green (2%)
- Blue (84%)



- Red (85%)
- Yellow (2%)
- Blue (84%)



- Cyan (0%)
- Magenta (98%)
- Yellow (1%)
- Black (15%)





- Cyan (15%)
- Magenta (98%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8986, 0.3244, 0.1566 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 19.8986, 0.3244, 0.1566 by changing the saturation by 10% instead.


 19.8986, 0.3244,
0.1566


 19.8986, 0.3244,
0.1566


251.3657, 0.3234,
0.2375


 12.3214, 0.3231,
0.1388


 43.2471, 0.3252,
0.1844


 6.9629, 0.3205,
0.1176


 59.7872, 0.3252,
0.1953

 3.4389, 0.3155,
0.0923


 80.0836, 0.3250,
0.2048

 1.3650, 0.3061,
0.0628

 104.5209, 0.3248,
0.2130

 0.1907, 0.2920,
0.0169

 133.4833, 0.3245,
0.2203

 0.0000, 0.2526,
0.0000

 167.3553, 0.3241,

 0.0000, 0.1088,

0.2267

0.0000

206.5213, 0.3238,
0.2324

■ 0.0000, 0.0000,
0.0000

■ 19.8986, 0.3244,
0.1566

■ 19.8986, 0.3244,
0.1566

■ 19.8077, 0.3245,
0.1561

■ 20.5605, 0.3238,
0.1601

■ 21.9312, 0.3231,
0.1675

■ 24.1753, 0.3221,
0.1792

■ 27.4063, 0.3209,
0.1950

■ 31.7208, 0.3196,
0.2144

■ 37.2037, 0.3182,
0.2365

■ 43.9317, 0.3167,
0.2603

■ 51.9747, 0.3153,
0.2849

■ 61.3976, 0.3138,
0.3095

Harmonies

Analogous

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



19.8986, 0.1789, 0.1184



19.8986, 0.3244, 0.1566



19.8986, 0.5191, 0.2237

Triad

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



19.8986, 0.3244, 0.1566



19.8986, 0.4928, 0.5072



19.8986, 0.0725, 0.2262

Complementary

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



19.8986, 0.3244, 0.1566



50.1840, 0.2999, 0.5981

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.



19.8986, 0.1155, 0.4357



19.8986, 0.3244, 0.1566



19.8986, 0.3542, 0.6447

Square

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



19.8986, 0.3244, 0.1566



19.8986, 0.6073, 0.3892



19.8986, 0.2187, 0.6610



19.8986, 0.0721, 0.1375

Rectangle

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



19.8986, 0.3244, 0.1566



19.8986, 0.6127, 0.2751



19.8986, 0.2187, 0.6610



19.8986, 0.0808, 0.2804

Sweetspot

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



19.8995, 0.3244, 0.1566



61.4812, 0.3169, 0.2575



5.1771, 0.1507, 0.0612



12.2469, 0.3175, 0.2472



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.



19.8995, 0.3244, 0.1566



28.2507, 0.3245, 0.1561



16.1427, 0.4938, 0.2504



13.2715, 0.3140, 0.3063



11.8685, 0.3244, 0.1561



0.7699, 0.3238, 0.1558

Inverse Universe

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



19.8995, 0.3244, 0.1566



28.2507, 0.3245, 0.1561



51.3171, 0.2723, 0.4992



13.2715, 0.3140, 0.3063



11.8685, 0.3244, 0.1561



0.7699, 0.3238, 0.1558

Previews

White Background



This preview shows how the Yxy color 19.8986, 0.3244, 0.1566 looks on a white background.

Color Contrast Check

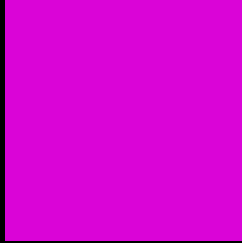
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8986, 0.3244, 0.1566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

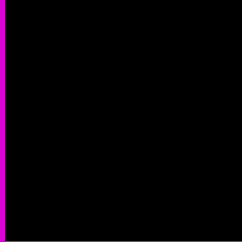
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8986, 0.3244, 0.1566

Background



This preview shows how black text looks on a background with the Yxy color 19.8986, 0.3244, 0.1566.



This preview shows how white text looks on a background with the Yxy color 19.8986, 0.3244, 0.1566.

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

19.8986, 0.3244, 0.1566

Protanopia

20.6529, 0.1735, 0.1447

Deuteranopia

20.5512, 0.2105, 0.2047



Tritanopia

20.0580, 0.4854, 0.3225

Trichromacy



Original Color

19.8986, 0.3244, 0.1566



Protanomaly

13.4023, 0.1822, 0.1127



Deuteranomaly

15.0570, 0.2349, 0.1520



Tritanomaly

18.1833, 0.4296, 0.2417

Monochromacy



Original Color

19.8986, 0.3244, 0.1566



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.4411, 0.3203, 0.2013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8986, 0.3244, 0.1566 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(218, 4, 215)` looks like.

```
.text, #text, p{  
    color:rgb(218, 4, 215)  
}
```

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(218, 4, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 4, 215) }
```

Border

The CSS property to change the border of an element to Yxy 19.8986, 0.3244, 0.1566 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(218, 4, 215) }
```

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

```
.border{ border-color:rgb(218, 4, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 4, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 4, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 4, 215);  
box-shadow:4px 4px 4px 4px rgb(218, 4,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8986, 0.3244, 0.1566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 4, 215) }
```

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

```
.background{ background-color: rgb(218, 4,  
215) }
```

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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