

Converting Colors

$Y_{xy}(20.4094, 0.3214, 0.1586)$

Have a look what the booklet for
Yxy(20.4094, 0.3214, 0.1586)
contains.

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Color

Yxy(20.4048, 0.3219, 0.1588)

Conversions

Conversions Part 1

Format	Color
Hex	D919D8
RGB	217, 25, 216
RGB Percent	85%, 10%, 85%
CMY	0.1489, 0.9022, 0.1529
CMYK	0.00, 0.89, 0.00, 0.15
HSL	300°, 79%, 47%
HSV	300°, 89%, 85%
XYZ	41.3621, 20.4048, 66.7268
YIQ	104.1820, 53.1210, 100.1050

Conversions

Conversions Part 2

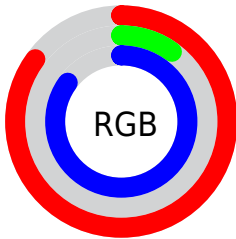
Format	Color
R _Y B	217, 25, 216
Decimal	14227928
CIE Lab	52.29, 84.54, -52.14
CIE LCh	52, 99.323, 328.337
Yxy	20.4048, 0.3219, 0.1588
Android (android.graphics.Color)	4292418008 (0xFFD919D8)
YUV	104.1820, 55.1263, 98.9414
Hunter-Lab	45.1717, 84.3958, -55.9619

Details

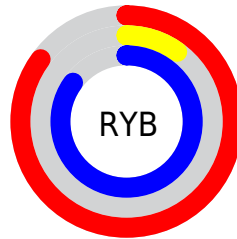
The Yxy color **20.4048, 0.3219, 0.1588** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **49.9166, 0.3003, 0.5901**, and the grayscale version is **13.7261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **9.7062, 0.3163, 0.1516** is the 20% darker color. If you saturate the color by 10%, you get **19.7773, 0.3222, 0.1553**, and if you desaturate by 10%, it is **21.7236, 0.3214, 0.1661**.

Distribution



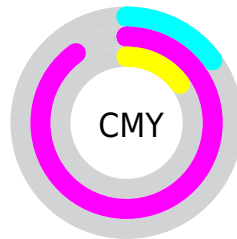
- Red (85%)
- Green (10%)
- Blue (85%)



- Red (85%)
- Yellow (10%)
- Blue (85%)



- Cyan (0%)
- Magenta (89%)
- Yellow (0%)
- Black (15%)





- Cyan (15%)
- Magenta (90%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4048, 0.3219, 0.1588 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 20.4048, 0.3219, 0.1588 by changing the saturation by 10% instead.


 20.4048, 0.3219,
0.1588


 20.4048, 0.3219,
0.1588


254.0982, 0.3221,
0.2387

 12.6896, 0.3203,
0.1412


 44.0948, 0.3231,
0.1862

 7.2152, 0.3174,
0.1201


 60.8385, 0.3232,
0.1970


 3.5970, 0.3122,
0.0950


 81.3604, 0.3232,
0.2064

 1.4508, 0.3025,
0.0656

 106.0450, 0.3231,
0.2145

 0.2537, 0.2873,
0.0220

 135.2767, 0.3229,
0.2217

 0.0000, 0.2490,
0.0000

169.4399, 0.3226,

 0.0000, 0.1101,

0.2280

0.0000

208.9189, 0.3224,
0.2337

■ 0.0000, 0.0000,
0.0000

■ 20.4048, 0.3219,
0.1588

■ 20.4048, 0.3219,
0.1588

■ 19.7773, 0.3222,
0.1553

■ 21.7236, 0.3214,
0.1661

■ 19.7061, 0.3223,
0.1549

■ 23.9012, 0.3207,
0.1777

■ 27.0514, 0.3198,
0.1934

■ 31.2702, 0.3187,
0.2128

■ 36.6421, 0.3176,
0.2349

■ 43.2431, 0.3163,
0.2588

■ 51.1426, 0.3150,
0.2836

■ 60.4050, 0.3138,
0.3084

■ 71.0903, 0.3125,
0.3325

Harmonies

Analogous

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



20.4048, 0.1800, 0.1213



20.4048, 0.3219, 0.1588



20.4048, 0.5115, 0.2250

Triad

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



20.4048, 0.3219, 0.1588



20.4048, 0.4946, 0.5054



20.4048, 0.0764, 0.2315

Complementary

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



20.4048, 0.3219, 0.1588



49.9166, 0.3003, 0.5901

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.



20.4048, 0.1209, 0.4372



20.4048, 0.3219, 0.1588



20.4048, 0.3581, 0.6360

Square

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



20.4048, 0.3219, 0.1588



20.4048, 0.6033, 0.3892



20.4048, 0.2246, 0.6525



20.4048, 0.0751, 0.1418

Rectangle

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



20.4048, 0.3219, 0.1588



20.4048, 0.6044, 0.2763



20.4048, 0.2246, 0.6525



20.4048, 0.0852, 0.2853

Sweetspot

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



20.4058, 0.3219, 0.1588



63.6376, 0.3161, 0.2619



5.9096, 0.1556, 0.0693



12.8582, 0.3166, 0.2535



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.



20.4058, 0.3219, 0.1588



28.3934, 0.3223, 0.1549



16.8277, 0.4707, 0.2443



13.2736, 0.3139, 0.3061



11.9270, 0.3222, 0.1549



0.7731, 0.3220, 0.1548

Inverse Universe

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



20.4058, 0.3219, 0.1588



28.3934, 0.3223, 0.1549



51.2222, 0.2696, 0.4816



13.2736, 0.3139, 0.3061



11.9270, 0.3222, 0.1549



0.7731, 0.3220, 0.1548

Previews

White Background



This preview shows how the Yxy color 20.4048, 0.3219, 0.1588 looks on a white background.

Color Contrast Check

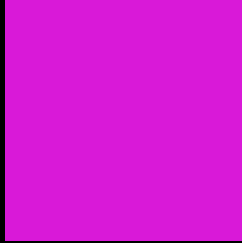
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4048, 0.3219, 0.1588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

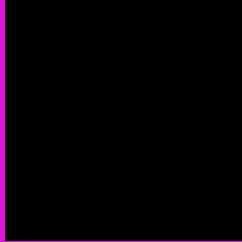
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4048, 0.3219, 0.1588

Background



This preview shows how black text looks on a background with the Yxy color 20.4048, 0.3219, 0.1588.



This preview shows how white text looks on a background with the Yxy color 20.4048, 0.3219, 0.1588.

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

20.4048, 0.3219, 0.1588

Protanopia

21.0233, 0.1752, 0.1465

Deuteranopia

20.8532, 0.2104, 0.2052



Tritanopia

20.4441, 0.4774, 0.3223

Trichromacy



Original Color

20.4048, 0.3219, 0.1588



Protanomaly

15.1801, 0.1896, 0.1229



Deuteranomaly

16.3660, 0.2355, 0.1605



Tritanomaly

19.0571, 0.4207, 0.2450

Monochromacy



Original Color

20.4048, 0.3219, 0.1588



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.0962, 0.3180, 0.2158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4048, 0.3219, 0.1588 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(217, 25, 216)` looks like.

```
.text, #text, p{  
    color:rgb(217, 25, 216)  
}
```

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(217, 25, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 25, 216) }
```

Border

The CSS property to change the border of an element to Yxy 20.4048, 0.3219, 0.1588 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(217, 25, 216) }
```

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

```
.border{ border-color:rgb(217, 25, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 25, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 25, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 25, 216);  
box-shadow:4px 4px 4px 4px rgb(217, 25,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4048, 0.3219, 0.1588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 25, 216) }
```

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

```
.background{ background-color: rgb(217, 25,  
216) }
```

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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