

Converting Colors

$Yxy(20.1443, 0.3724, 0.1957)$

Have a look what the booklet for
Yxy(20.1443, 0.3724, 0.1957)
contains.

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Color

Yxy(20.1161, 0.3718, 0.1955)

Conversions

Conversions Part 1

Format	Color
Hex	DB2CB3
RGB	219, 44, 179
RGB Percent	86%, 17%, 70%
CMY	0.1411, 0.8276, 0.2980
CMYK	0.00, 0.80, 0.18, 0.14
HSL	314°, 71%, 52%
HSV	314°, 80%, 86%
XYZ	38.2566, 20.1161, 44.5229
YIQ	111.7150, 60.9650, 79.0850

Conversions

Conversions Part 2

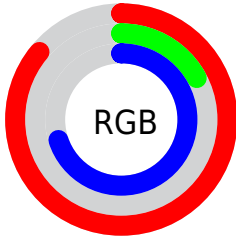
Format	Color
R_{YB}	219, 44, 179
Decimal	14363827
CIE _{Lab}	51.97, 76.20, -31.26
CIE _{LCh}	52, 82.366, 337.695
Yxy	20.1161, 0.3718, 0.1955
Android (android.graphics.Color)	4292553907 (0xFFDB2CB3)
YUV	111.7150, 33.1715, 94.0889
Hunter-Lab	44.8510, 73.7662, -27.4607

Details

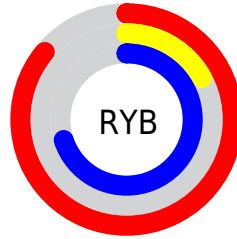
The Yxy color **20.1161, 0.3718, 0.1955** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **51.8480, 0.2892, 0.5360**, and the grayscale version is **15.9986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4100, 0.3378, 0.2099**, and **8.8773, 0.3808, 0.1871** is the 20% darker color. If you saturate the color by 10%, you get **18.6958, 0.3808, 0.1917**, and if you desaturate by 10%, it is **22.4054, 0.3626, 0.2040**.

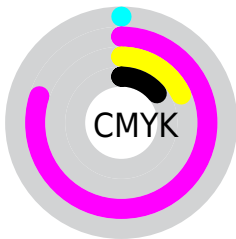
Distribution



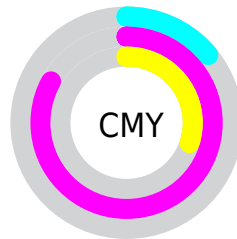
- Red (86%)
- Green (17%)
- Blue (70%)



- Red (86%)
- Yellow (17%)
- Blue (70%)



- Cyan (0%)
- Magenta (80%)
- Yellow (18%)
- Black (14%)





- Cyan (14%)
- Magenta (83%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1161, 0.3718, 0.1955 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 20.1161, 0.3718, 0.1955 by changing the saturation by 10% instead.


 20.1161, 0.3718,
0.1955


 20.1161, 0.3718,
0.1955


252.5429, 0.3425,
0.2621


 12.4795, 0.3788,
0.1794


 43.6117, 0.3613,
0.2195


 7.0711, 0.3876,
0.1591


 60.2396, 0.3573,
0.2285


 3.5066, 0.3987,
0.1333


 80.6332, 0.3539,
0.2363

 1.4016, 0.4129,
0.0999

 105.1771, 0.3510,
0.2429

 0.2179, 0.4408,
0.0348

 134.2556, 0.3484,
0.2487

 0.0000, 0.4531,
0.0000

168.2532, 0.3462,

 0.0000, 0.0000,

0.2537

0.0000

207.5541, 0.3442,
0.2582

■ 20.1161, 0.3718,
0.1955

■ 20.1161, 0.3718,
0.1955

■ 18.6958, 0.3808,
0.1917

■ 22.4054, 0.3626,
0.2040

■ 17.9315, 0.3896,
0.1920

■ 25.6796, 0.3535,
0.2168

■ 17.9268, 0.3896,
0.1920

■ 30.0400, 0.3448,
0.2328

■ 35.5746, 0.3368,
0.2510

■ 42.3621, 0.3295,
0.2706

■ 50.4747, 0.3231,
0.2905

■ 59.9789, 0.3175,
0.3102

■ 70.9367, 0.3127,
0.3291

■ 83.4064, 0.3086,
0.3471

Harmonies

Analogous

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



20.1161, 0.2306, 0.1508



20.1161, 0.3718, 0.1955



20.1161, 0.5234, 0.2634

Triad

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



20.1161, 0.3718, 0.1955



20.1161, 0.4518, 0.5334



20.1161, 0.0965, 0.2160

Complementary

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



20.1161, 0.3718, 0.1955



51.8480, 0.2892, 0.5360

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.



20.1161, 0.1282, 0.3593



20.1161, 0.3718, 0.1955



20.1161, 0.3301, 0.6116

Square

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



20.1161, 0.3718, 0.1955



20.1161, 0.5518, 0.4283



20.1161, 0.2122, 0.5512



20.1161, 0.1031, 0.1522

Rectangle

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



20.1161, 0.3718, 0.1955



20.1161, 0.5815, 0.3141



20.1161, 0.2122, 0.5512



20.1161, 0.1021, 0.2535

Sweetspot

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



20.1171, 0.3718, 0.1955



66.1064, 0.3257, 0.2820



8.7030, 0.1832, 0.0929



13.2849, 0.3281, 0.2748



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.



20.1171, 0.3718, 0.1955



25.6077, 0.3868, 0.1917



17.6621, 0.5182, 0.2849



13.2213, 0.3172, 0.3111



10.6449, 0.3884, 0.1913



0.7023, 0.3751, 0.1840

Inverse Universe

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



20.1171, 0.3718, 0.1955



25.6077, 0.3868, 0.1917



54.0889, 0.2504, 0.4034



13.2213, 0.3172, 0.3111



10.6449, 0.3884, 0.1913



0.7023, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 20.1161, 0.3718, 0.1955 looks on a white background.

Color Contrast Check

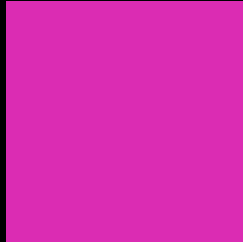
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1161, 0.3718, 0.1955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

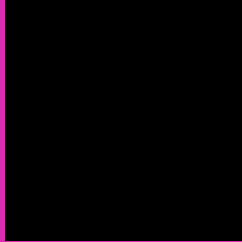
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1161, 0.3718, 0.1955

Background



This preview shows how black text looks on a background with the Yxy color 20.1161, 0.3718, 0.1955.



This preview shows how white text looks on a background with the Yxy color 20.1161, 0.3718, 0.1955.

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

20.1161, 0.3718, 0.1955

Protanopia

20.8099, 0.1850, 0.1588

Deuteranopia

20.4752, 0.2559, 0.2503



Tritanopia

20.0809, 0.5045, 0.3241

Trichromacy



Original Color

20.1161, 0.3718, 0.1955



Protanomaly

16.4681, 0.2172, 0.1521



Deuteranomaly

17.6018, 0.2909, 0.2106



Tritanomaly

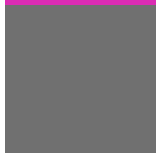
19.5245, 0.4584, 0.2711

Monochromacy



Original Color

20.1161, 0.3718, 0.1955



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.1733, 0.3384, 0.2491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1161, 0.3718, 0.1955 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(219, 44, 179)` looks like.

```
.text, #text, p{  
    color:rgb(219, 44, 179)  
}
```

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(219, 44, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 44, 179) }
```

Border

The CSS property to change the border of an element to Yxy 20.1161, 0.3718, 0.1955 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(219, 44, 179) }
```

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

```
.border{ border-color:rgb(219, 44, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 44, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 44, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 44, 179);  
box-shadow:4px 4px 4px 4px rgb(219, 44,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1161, 0.3718, 0.1955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 44, 179) }
```

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

```
.background{ background-color: rgb(219, 44,  
179) }
```

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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