

Converting Colors

$Yxy(20.0769, 0.3802, 0.1868)$

Have a look what the booklet for
Yxy(20.0769, 0.3802, 0.1868)
contains.

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Color

Yxy(20.0769, 0.3802, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	E500B7
RGB	229, 0, 183
RGB Percent	90%, 0%, 72%
CMY	0.1020, 1.0000, 0.2822
CMYK	0.00, 1.00, 0.20, 0.10
HSL	312°, 100%, 45%
HSV	312°, 100%, 90%
XYZ	40.8632, 20.0769, 46.5380
YIQ	89.3330, 77.7410, 105.4610

Conversions

Conversions Part 2

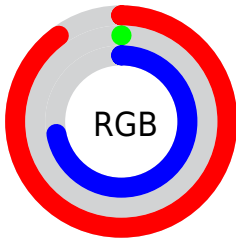
Format	Color
R_{YB}	229, 0, 183
Decimal	15007927
CIE _{Lab}	51.92, 84.59, -33.54
CIE _{LCh}	52, 91.002, 338.371
Yxy	20.0769, 0.3802, 0.1868
Android (android.graphics.Color)	4293198007 (0xFFE500B7)
YUV	89.3330, 46.1778, 122.4880
Hunter-Lab	44.8073, 84.3751, -30.2151

Details

The Yxy color **20.0769, 0.3802, 0.1868** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **56.2366, 0.2949, 0.5817**, and the grayscale version is **9.9513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0414, 0.3347, 0.1975**, and **9.9365, 0.3874, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **20.0785, 0.3802, 0.1868**, and if you desaturate by 10%, it is **20.8819, 0.3728, 0.1869**.

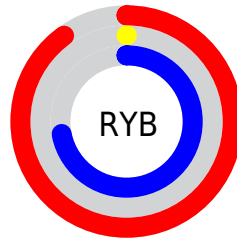
Distribution



Red (90%)

Green (0%)

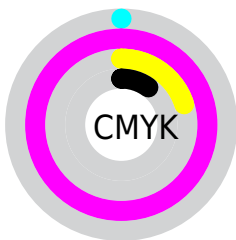
Blue (72%)



Red (90%)

Yellow (0%)

Blue (72%)

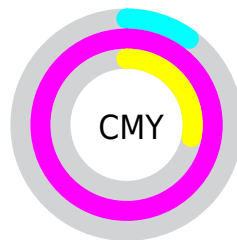


Cyan (0%)

Magenta (100%)

Yellow (20%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0769, 0.3802, 0.1868 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 20.0769, 0.3802, 0.1868 by changing the saturation by 10% instead.


 20.0769, 0.3802,
0.1868


 20.0769, 0.3802,
0.1868


252.3311, 0.3469,
0.2568


 12.4510, 0.3881,
0.1702


 43.5461, 0.3683,
0.2117

 7.0516, 0.3980,
0.1495


 60.1581, 0.3638,
0.2213


 3.4944, 0.4104,
0.1236


 80.5343, 0.3599,
0.2294

 1.3950, 0.4262,
0.0908

 105.0590, 0.3566,
0.2364

 0.2130, 0.4554,
0.0301

 134.1166, 0.3537,
0.2425

 0.0000, 0.4707,
0.0000

 168.0916, 0.3512,

 0.0000, 0.4952,

0.2479

0.0000

207.3683, 0.3489,
0.2526

■ 0.0000, 0.0000,
0.0000

■ 20.0769, 0.3802,
0.1868

■ 20.0769, 0.3802,
0.1868

■ 20.0785, 0.3802,
0.1868

■ 20.8819, 0.3728,
0.1869

■ 22.4125, 0.3651,
0.1911

■ 24.9009, 0.3571,
0.1999

■ 28.4804, 0.3492,
0.2130

■ 33.2632, 0.3416,
0.2294

■ 39.3476, 0.3344,
0.2482

■ 46.8216, 0.3280,
0.2683

■ 55.7655, 0.3222,
0.2889

■ 66.2536, 0.3171,
0.3093

Harmonies

Analogous

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



20.0769, 0.2256, 0.1398



20.0769, 0.3802, 0.1868



20.0769, 0.5470, 0.2575

Triad

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



20.0769, 0.3802, 0.1868



20.0769, 0.4527, 0.5473



20.0769, 0.0829, 0.2017

Complementary

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



20.0769, 0.3802, 0.1868



56.2366, 0.2949, 0.5817

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.



20.0769, 0.1120, 0.3549



20.0769, 0.3802, 0.1868



20.0769, 0.3193, 0.6391

Square

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



20.0769, 0.3802, 0.1868



20.0769, 0.5640, 0.4286



20.0769, 0.1967, 0.5756



20.0769, 0.0913, 0.1384

Rectangle

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



20.0769, 0.3802, 0.1868



20.0769, 0.6066, 0.3090



20.0769, 0.1967, 0.5756



20.0769, 0.0876, 0.2404

Sweetspot

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



20.0785, 0.3802, 0.1868



59.5702, 0.3281, 0.2679



6.2335, 0.1589, 0.0649



11.8398, 0.3307, 0.2593



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.



20.0785, 0.3802, 0.1868



25.6105, 0.3806, 0.1870



17.0843, 0.5797, 0.2967



14.5630, 0.3168, 0.3104



11.4973, 0.3791, 0.1862



0.8622, 0.3690, 0.1806

Inverse Universe

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



20.0785, 0.3802, 0.1868



25.6105, 0.3806, 0.1870



58.5882, 0.2531, 0.4312



14.5630, 0.3168, 0.3104



11.4973, 0.3791, 0.1862



0.8622, 0.3690, 0.1806

Previews

White Background



This preview shows how the Yxy color 20.0769, 0.3802, 0.1868 looks on a white background.

Color Contrast Check

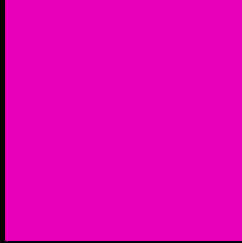
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0769, 0.3802, 0.1868 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 20.0769, 0.3802, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 20.0769, 0.3802, 0.1868.



This preview shows how white text looks on a background with the Yxy color 20.0769, 0.3802, 0.1868.

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

20.0769, 0.3802, 0.1868

Protanopia

21.0889, 0.1758, 0.1468

Deuteranopia

20.7734, 0.2528, 0.2476



Tritanopia

20.3722, 0.5299, 0.3258

Trichromacy



Original Color

20.0769, 0.3802, 0.1868



Protanomaly

13.6175, 0.1974, 0.1225



Deuteranomaly

15.5966, 0.2908, 0.1893



Tritanomaly

18.8798, 0.4830, 0.2643

Monochromacy



Original Color

20.0769, 0.3802, 0.1868



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.9318, 0.3476, 0.2178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0769, 0.3802, 0.1868 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(229, 0, 183)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 183)  
}
```

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(229, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 183) }
```

Border

The CSS property to change the border of an element to Yxy 20.0769, 0.3802, 0.1868 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(229, 0, 183) }
```

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

```
.border{ border-color:rgb(229, 0, 183) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0769, 0.3802, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 183) }
```

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

```
.background{ background-color: rgb(229, 0,  
183) }
```

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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