

Converting Colors

$Yxy(20.5187, 0.3862, 0.1901)$

Have a look what the booklet for
Yxy(20.5187, 0.3862, 0.1901)
contains.

Yxy(20.4920, 0.3868, 0.1905)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.4920, 0.3868, 0.1905)

Conversions

Conversions Part 1

Format	Color
Hex	E800B5
RGB	232, 0, 181
RGB Percent	91%, 0%, 71%
CMY	0.0904, 0.9985, 0.2903
CMYK	0.00, 1.00, 0.22, 0.09
HSL	313°, 100%, 46%
HSV	313°, 100%, 91%
XYZ	41.6079, 20.4920, 45.4697
YIQ	90.0020, 80.1710, 105.4750

Conversions

Conversions Part 2

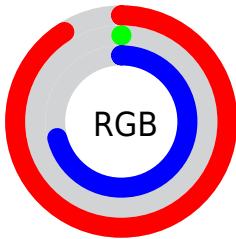
Format	Color
R_{YB}	232, 0, 181
Decimal	15204533
CIE _{Lab}	52.39, 84.87, -31.58
CIE _{LCh}	52, 90.554, 339.590
Yxy	20.4920, 0.3868, 0.1905
Android (android.graphics.Color)	4293394613 (0xFFE800B5)
YUV	90.0020, 44.8620, 124.5322
Hunter-Lab	45.2681, 84.8481, -27.8663

Details

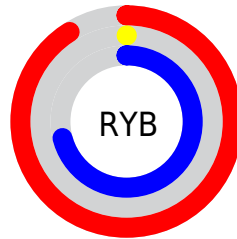
The Yxy color **20.4920, 0.3868, 0.1905** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **57.9351, 0.2940, 0.5782**, and the grayscale version is **10.1604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9238, 0.3367, 0.1989**, and **10.2164, 0.3963, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **20.4809, 0.3869, 0.1905**, and if you desaturate by 10%, it is **21.3345, 0.3785, 0.1902**.

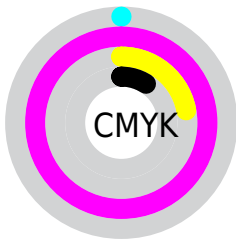
Distribution



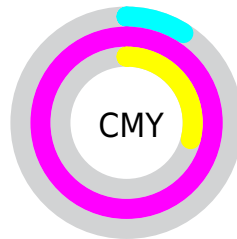
- Red (91%)
- Green (0%)
- Blue (71%)



- Red (91%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4920, 0.3868, 0.1905 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 20.4920, 0.3868, 0.1905 by changing the saturation by 10% instead.


 20.4920, 0.3868,
0.1905


 20.4920, 0.3868,
0.1905


254.5663, 0.3497,
0.2589

 12.7532, 0.3959,
0.1742


 44.2405, 0.3734,
0.2149

 7.2588, 0.4073,
0.1539


 61.0190, 0.3684,
0.2242


 3.6245, 0.4219,
0.1282


 81.5796, 0.3641,
0.2321

 1.4658, 0.4412,
0.0956

 106.3065, 0.3604,
0.2390

 0.2645, 0.4751,
0.0374

 135.5843, 0.3572,
0.2449

 0.0000, 0.5036,
0.0000

 169.7972, 0.3544,

 0.0000, 0.7201,

0.2502

0.0000

209.3297, 0.3519,
0.2548

■ 0.0000, 0.0000,
0.0000

■ 20.4920, 0.3868,
0.1905

■ 20.4920, 0.3868,
0.1905

■ 20.4809, 0.3869,
0.1905

■ 21.3345, 0.3785,
0.1902

■ 22.9352, 0.3698,
0.1941

■ 25.5264, 0.3610,
0.2027

■ 29.2454, 0.3522,
0.2156

■ 34.2076, 0.3439,
0.2317

■ 40.5142, 0.3361,
0.2502

■ 48.2560, 0.3290,
0.2700

■ 57.5159, 0.3228,
0.2902

■ 68.3703, 0.3173,
0.3101

Harmonies

Analogous

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



20.4920, 0.2316, 0.1425



20.4920, 0.3868, 0.1905



20.4920, 0.5497, 0.2615

Triad

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



20.4920, 0.3868, 0.1905



20.4920, 0.4472, 0.5508



20.4920, 0.0842, 0.1992

Complementary

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



20.4920, 0.3868, 0.1905



57.9351, 0.2940, 0.5782

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.



20.4920, 0.1116, 0.3467



20.4920, 0.3868, 0.1905



20.4920, 0.3152, 0.6376

Square

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



20.4920, 0.3868, 0.1905



20.4920, 0.5587, 0.4332



20.4920, 0.1938, 0.5648



20.4920, 0.0938, 0.1386

Rectangle

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



20.4920, 0.3868, 0.1905



20.4920, 0.6054, 0.3131



20.4920, 0.1938, 0.5648



20.4920, 0.0884, 0.2364

Sweetspot

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



20.4931, 0.3868, 0.1905



59.4826, 0.3292, 0.2693



6.5251, 0.1604, 0.0658



11.8186, 0.3321, 0.2609



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.



20.4931, 0.3868, 0.1905



25.3773, 0.3873, 0.1907



17.5510, 0.5851, 0.2998



14.5581, 0.3171, 0.3109



11.3943, 0.3857, 0.1898



0.8555, 0.3743, 0.1836

Inverse Universe

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



20.4931, 0.3868, 0.1905



25.3773, 0.3873, 0.1907



60.4588, 0.2514, 0.4250



14.5581, 0.3171, 0.3109



11.3943, 0.3857, 0.1898



0.8555, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 20.4920, 0.3868, 0.1905 looks on a white background.

Color Contrast Check

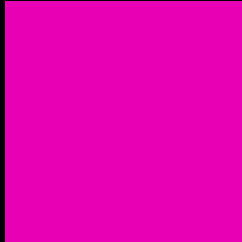
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4920, 0.3868, 0.1905 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 20.4920, 0.3868, 0.1905

Background



This preview shows how black text looks on a background with the Yxy color 20.4920, 0.3868, 0.1905.



This preview shows how white text looks on a background with the Yxy color 20.4920, 0.3868, 0.1905.

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

20.4920, 0.3868, 0.1905

Protanopia

21.4624, 0.1774, 0.1485

Deuteranopia

21.1766, 0.2591, 0.2544



Tritanopia

20.8618, 0.5353, 0.3260

Trichromacy



Original Color

20.4920, 0.3868, 0.1905



Protanomaly

14.0535, 0.2022, 0.1260



Deuteranomaly

16.0236, 0.2994, 0.1957



Tritanomaly

19.4226, 0.4893, 0.2666

Monochromacy



Original Color

20.4920, 0.3868, 0.1905



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.1071, 0.3510, 0.2191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4920, 0.3868, 0.1905 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(232, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 181)  
}
```

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(232, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 181) }
```

Border

The CSS property to change the border of an element to Yxy 20.4920, 0.3868, 0.1905 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(232, 0, 181) }
```

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

```
.border{ border-color:rgb(232, 0, 181) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4920, 0.3868, 0.1905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 181) }
```

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

```
.background{ background-color: rgb(232, 0,  
181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor