

Converting Colors

$Y_{xy}(12.5920, 0.5446, 0.2011)$

Have a look what the booklet for
Yxy(12.5920, 0.5446, 0.2011)
contains.

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Color

Yxy(18.8320, 0.5092, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	EB0070
RGB	235, 0, 112
RGB Percent	92%, 0%, 44%
CMY	0.0785, 0.9993, 0.5608
CMYK	0.00, 1.00, 0.52, 0.08
HSL	331°, 100%, 46%
HSV	331°, 100%, 92%
XYZ	37.1821, 18.8320, 17.0065
YIQ	83.0330, 104.1080, 84.6520

Conversions

Conversions Part 2

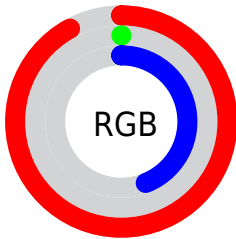
Format	Color
R_{YB}	235, 0, 112
Decimal	15401072
CIE _{Lab}	50.49, 79.09, 6.93
CIE _{LCh}	50, 79.388, 5.008
Yxy	18.8320, 0.5092, 0.2579
Android (android.graphics.Color)	4293591152 (0xFFEB0070)
YUV	83.0330, 14.2807, 133.2751
Hunter-Lab	43.3959, 76.9981, 7.1418

Details

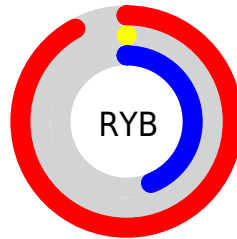
The Yxy color **18.8320, 0.5092, 0.2579** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **60.8423, 0.2709, 0.4950**, and the grayscale version is **8.6320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0888, 0.4253, 0.2627**, and **9.1523, 0.5455, 0.2778** is the 20% darker color. If you saturate the color by 10%, you get **18.8275, 0.5094, 0.2580**, and if you desaturate by 10%, it is **19.7623, 0.4842, 0.2503**.

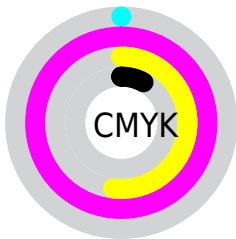
Distribution



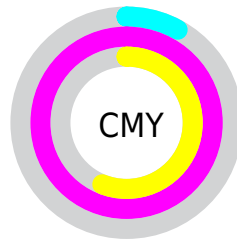
- Red (92%)
- Green (0%)
- Blue (44%)



- Red (92%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8320, 0.5092, 0.2579 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 18.8320, 0.5092, 0.2579 by changing the saturation by 10% instead.

 18.8320, 0.5092,
0.2579


 18.8320, 0.5092,
0.2579


245.5197, 0.3977,
0.3001


 11.5489, 0.5413,
0.2449


 41.4500, 0.4655,
0.2750

 6.4373, 0.5849,
0.2268


 57.5538, 0.4500,
0.2808


 3.1128, 0.6461,
0.2003

 77.3666, 0.4373,
0.2856

 1.1909, 0.7358,
0.1596

 101.2728, 0.4268,
0.2895

 0.0543, 0.9794,
0.0206

 129.6568, 0.4178,
0.2928

 0.0000, 1.0000,
0.0000

 162.9031, 0.4102,

 0.0000, 0.0000,

0.2956

0.0000

201.3959, 0.4035,
0.2980

■ 18.8320, 0.5092,
0.2579

■ 18.8320, 0.5092,
0.2579

■ 18.8275, 0.5094,
0.2580

■ 19.7623, 0.4842,
0.2503

■ 21.5010, 0.4579,
0.2476

■ 24.2909, 0.4317,
0.2502

■ 28.2753, 0.4069,
0.2572

■ 33.5747, 0.3844,
0.2673

■ 40.2949, 0.3648,
0.2792

■ 48.5308, 0.3481,
0.2920

■ 58.3688, 0.3340,
0.3048

■ 69.8891, 0.3223,
0.3173

Harmonies

Analogous

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



18.8320, 0.3570, 0.1918



18.8320, 0.5092, 0.2579



18.8320, 0.5863, 0.3340

Triad

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



18.8320, 0.5092, 0.2579



18.8320, 0.3420, 0.6047



18.8320, 0.1030, 0.1575

Complementary

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



18.8320, 0.5092, 0.2579



60.8423, 0.2709, 0.4950

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.



18.8320, 0.0996, 0.2268



18.8320, 0.5092, 0.2579



18.8320, 0.2237, 0.5603

Square

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



18.8320, 0.5092, 0.2579



18.8320, 0.4617, 0.5228



18.8320, 0.1357, 0.3760



18.8320, 0.1403, 0.1374

Rectangle

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



18.8320, 0.5092, 0.2579



18.8320, 0.5761, 0.3895



18.8320, 0.1357, 0.3760



18.8320, 0.0982, 0.1737

Sweetspot

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



18.8331, 0.5092, 0.2579



58.2031, 0.3484, 0.2917



10.1014, 0.2042, 0.0899



11.5135, 0.3552, 0.2862



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.



18.8331, 0.5092, 0.2579



22.6516, 0.5104, 0.2585



17.7485, 0.6391, 0.3307



15.1735, 0.3218, 0.3178



10.5054, 0.5057, 0.2559



0.8443, 0.4733, 0.2381

Inverse Universe

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



18.8331, 0.5092, 0.2579



22.6516, 0.5104, 0.2585



63.1896, 0.2232, 0.3236



15.1735, 0.3218, 0.3178



10.5054, 0.5057, 0.2559



0.8443, 0.4733, 0.2381

Previews

White Background



This preview shows how the Yxy color 18.8320, 0.5092, 0.2579 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 18.8320, 0.5092, 0.2579 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 18.8320, 0.5092, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 18.8320, 0.5092, 0.2579.



This preview shows how white text looks on a background with the Yxy color 18.8320, 0.5092, 0.2579.

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

18.8320, 0.5092, 0.2579

Protanopia

19.3566, 0.2591, 0.2550

Deuteranopia

19.3446, 0.3633, 0.3559



Tritanopia

19.2144, 0.5962, 0.3304

Trichromacy



Original Color

18.8320, 0.5092, 0.2579



Protanomaly

14.1511, 0.3340, 0.2236



Deuteranomaly

15.1867, 0.4273, 0.2847



Tritanomaly

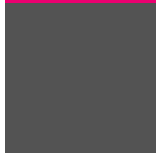
18.6320, 0.5745, 0.3048

Monochromacy



Original Color

18.8320, 0.5092, 0.2579



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.7576, 0.4041, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8320, 0.5092, 0.2579 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(235, 0, 112)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 112)  
}
```

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(235, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 112) }
```

Border

The CSS property to change the border of an element to Yxy 18.8320, 0.5092, 0.2579 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(235, 0, 112) }
```

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

```
.border{ border-color:rgb(235, 0, 112) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8320, 0.5092, 0.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 112) }
```

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

```
.background{ background-color: rgb(235, 0,  
112) }
```

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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