

Converting Colors

$Y_{xy}(20.4096, 0.4805, 0.2580)$

Have a look what the booklet for
Yxy(20.4096, 0.4805, 0.2580)
contains.

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Color

Yxy(20.4096, 0.4805, 0.2580)

Conversions

Conversions Part 1

Format	Color
Hex	E92A7B
RGB	233, 42, 123
RGB Percent	91%, 16%, 48%
CMY	0.0862, 0.8353, 0.5175
CMYK	0.00, 0.82, 0.47, 0.09
HSL	335°, 81%, 54%
HSV	335°, 82%, 91%
XYZ	38.0109, 20.4096, 20.6865
YIQ	108.3430, 87.8350, 65.6830

Conversions

Conversions Part 2

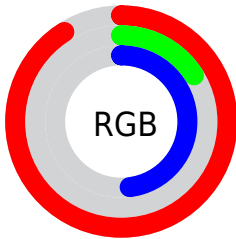
Format	Color
R_{YB}	233, 42, 123
Decimal	15280763
CIE _{Lab}	52.30, 73.99, 2.78
CIE _{LCh}	52, 74.045, 2.150
Yxy	20.4096, 0.4805, 0.2580
Android (android.graphics.Color)	4293470843 (0xFFE92A7B)
YUV	108.3430, 7.2259, 109.3242
Hunter-Lab	45.1770, 71.1262, 4.4751

Details

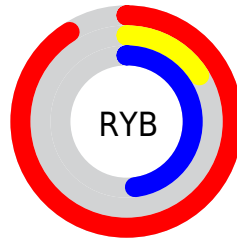
The Yxy color **20.4096, 0.4805, 0.2580** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **61.0394, 0.2622, 0.4476**, and the grayscale version is **15.0575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2924, 0.4056, 0.2629**, and **9.1659, 0.5205, 0.2641** is the 20% darker color. If you saturate the color by 10%, you get **18.8976, 0.5095, 0.2629**, and if you desaturate by 10%, it is **22.9289, 0.4509, 0.2585**.

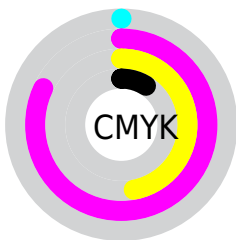
Distribution



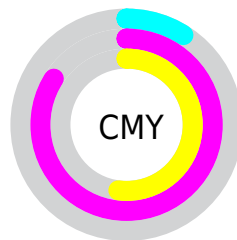
- Red (91%)
- Green (16%)
- Blue (48%)



- Red (91%)
- Yellow (16%)
- Blue (48%)



- Cyan (0%)
- Magenta (82%)
- Yellow (47%)
- Black (9%)





- Cyan (9%)
- Magenta (84%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4096, 0.4805, 0.2580 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 20.4096, 0.4805, 0.2580 by changing the saturation by 10% instead.


 20.4096, 0.4805,
0.2580


 20.4096, 0.4805,
0.2580


254.1240, 0.3864,
0.2985


 12.6931, 0.5075,
0.2461


 44.1028, 0.4437,
0.2740

 7.2176, 0.5441,
0.2299


 60.8484, 0.4307,
0.2796

 3.5985, 0.5960,
0.2064

 81.3725, 0.4200,
0.2842

 1.4516, 0.6732,
0.1708

 106.0594, 0.4110,
0.2880

 0.2543, 0.8896,
0.0833

 135.2937, 0.4035,
0.2912

 0.0000, 1.0000,
0.0000

169.4596, 0.3969,

 0.0000, 0.0000,

0.2940

0.0000

208.9415, 0.3913,
0.2964

■ 20.4096, 0.4805,
0.2580

■ 20.4096, 0.4805,
0.2580

■ 18.8976, 0.5095,
0.2629

■ 22.9289, 0.4509,
0.2585


■ 18.2231, 0.5314,
0.2701


■ 26.5989, 0.4225,
0.2636

■ 31.5431, 0.3967,
0.2719


■ 37.8679, 0.3742,
0.2822

■ 45.6686, 0.3550,
0.2936

 55.0320, 0.3389,
0.3051

 66.0379, 0.3256,
0.3163

 78.7608, 0.3146,
0.3270

 93.2706, 0.3057,
0.3369

Harmonies

Analogous

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



20.4096, 0.3408, 0.1963



20.4096, 0.4805, 0.2580



20.4096, 0.5622, 0.3315

Triad

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



20.4096, 0.4805, 0.2580



20.4096, 0.3572, 0.5784



20.4096, 0.1135, 0.1738

Complementary

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



20.4096, 0.4805, 0.2580



61.0394, 0.2622, 0.4476

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.



20.4096, 0.1144, 0.2468



20.4096, 0.4805, 0.2580



20.4096, 0.2442, 0.5463

Square

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



20.4096, 0.4805, 0.2580



20.4096, 0.4666, 0.5051



20.4096, 0.1554, 0.3896



20.4096, 0.1464, 0.1497

Rectangle

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



20.4096, 0.4805, 0.2580



20.4096, 0.5621, 0.3845



20.4096, 0.1554, 0.3896



20.4096, 0.1100, 0.1914

Sweetspot

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



20.4108, 0.4805, 0.2580



63.7084, 0.3436, 0.3015



14.0446, 0.2336, 0.1165



12.7668, 0.3493, 0.2974



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.



20.4108, 0.4805, 0.2580



22.5213, 0.5272, 0.2688



20.1979, 0.5916, 0.3378



15.1601, 0.3226, 0.3190



10.3631, 0.5275, 0.2679



0.8326, 0.4921, 0.2484

Inverse Universe

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



20.4108, 0.4805, 0.2580



22.5213, 0.5272, 0.2688



57.7050, 0.2233, 0.3118



15.1601, 0.3226, 0.3190



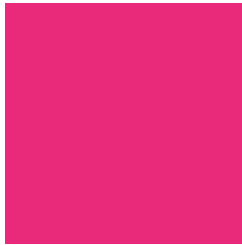
10.3631, 0.5275, 0.2679



0.8326, 0.4921, 0.2484

Previews

White Background



This preview shows how the Yxy color 20.4096, 0.4805, 0.2580 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 20.4096, 0.4805, 0.2580 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 20.4096, 0.4805, 0.2580

Background



This preview shows how black text looks on a background with the Yxy color 20.4096, 0.4805, 0.2580.



This preview shows how white text looks on a background with the Yxy color 20.4096, 0.4805, 0.2580.

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

20.4096, 0.4805, 0.2580

Protanopia

20.7246, 0.2561, 0.2521

Deuteranopia

20.6404, 0.3478, 0.3414



Tritanopia

20.5194, 0.5629, 0.3282

Trichromacy



Original Color

20.4096, 0.4805, 0.2580



Protanomaly

17.3403, 0.3223, 0.2390



Deuteranomaly

18.0526, 0.4001, 0.2922



Tritanomaly

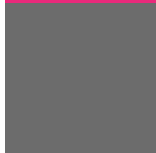
20.2831, 0.5375, 0.3036

Monochromacy



Original Color

20.4096, 0.4805, 0.2580



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.3052, 0.3785, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4096, 0.4805, 0.2580 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(233, 42, 123)` looks like.

```
.text, #text, p{  
  color:rgb(233, 42, 123)  
}
```

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(233, 42, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 42, 123) }
```

Border

The CSS property to change the border of an element to Yxy 20.4096, 0.4805, 0.2580 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(233, 42, 123) }
```

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

```
.border{ border-color:rgb(233, 42, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 42, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 42, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 42, 123);  
box-shadow:4px 4px 4px 4px rgb(233, 42,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4096, 0.4805, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 42, 123) }
```

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

```
.background{ background-color: rgb(233, 42,  
123) }
```

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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