

Converting Colors

$Y_{xy}(18.3230, 0.5078, 0.2572)$

Have a look what the booklet for
Yxy(18.3230, 0.5078, 0.2572)
contains.

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Color

Yxy(18.3035, 0.5083, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	E8006F
RGB	232, 0, 111
RGB Percent	91%, 0%, 44%
CMY	0.0902, 0.9994, 0.5648
CMYK	0.00, 1.00, 0.52, 0.09
HSL	331°, 100%, 46%
HSV	331°, 100%, 91%
XYZ	36.1448, 18.3035, 16.6609
YIQ	82.0220, 102.6410, 83.7050

Conversions

Conversions Part 2

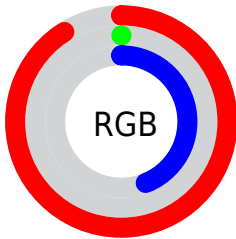
Format	Color
R_{YB}	232, 0, 111
Decimal	15204463
CIE _{Lab}	49.86, 78.36, 6.58
CIE _{LCh}	50, 78.635, 4.801
Yxy	18.3035, 0.5083, 0.2574
Android (android.graphics.Color)	4293394543 (0xFFE8006F)
YUV	82.0220, 14.2862, 131.5307
Hunter-Lab	42.7826, 75.9359, 6.8584

Details

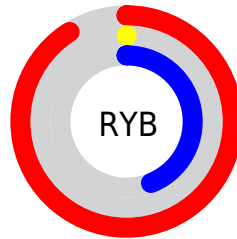
The Yxy color **18.3035, 0.5083, 0.2574** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **59.0930, 0.2710, 0.4955**, and the grayscale version is **8.4147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8740, 0.4269, 0.2629**, and **8.8052, 0.5448, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **18.2997, 0.5085, 0.2575**, and if you desaturate by 10%, it is **19.2131, 0.4833, 0.2498**.

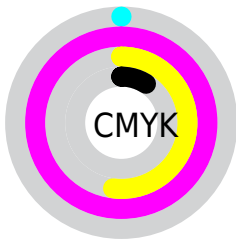
Distribution



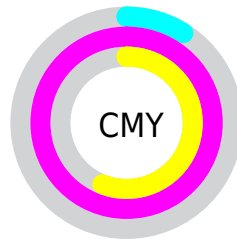
- Red (91%)
- Green (0%)
- Blue (44%)



- Red (91%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3035, 0.5083, 0.2574 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 18.3035, 0.5083, 0.2574 by changing the saturation by 10% instead.


 18.3035, 0.5083,
0.2574


 18.3035, 0.5083,
0.2574


242.5762, 0.3969,
0.2999


 11.1681, 0.5406,
0.2443


 40.5538, 0.4644,
0.2747


 6.1800, 0.5846,
0.2259

 56.4375, 0.4490,
0.2806

 2.9549, 0.6467,
0.1988

 76.0061, 0.4363,
0.2854

 1.1082, 0.7390,
0.1574

 99.6440, 0.4258,
0.2893

 0.0000, 1.0000,
0.0000

 127.7355, 0.4169,
0.2926

 0.0000, 0.0000,
0.0000

 160.6651, 0.4093,

0.2954

198.8172, 0.4027,
0.2978

■ 18.3035, 0.5083,
0.2574

■ 18.3035, 0.5083,
0.2574

■ 18.2997, 0.5085,
0.2575

■ 19.2131, 0.4833,
0.2498

■ 20.9058, 0.4572,
0.2472

■ 23.6187, 0.4311,
0.2499

■ 27.4904, 0.4064,
0.2570

■ 32.6379, 0.3841,
0.2671

■ 39.1635, 0.3646,
0.2791

■ 47.1591, 0.3479,
0.2918

■ 56.7086, 0.3339,
0.3047

■ 67.8896, 0.3223,
0.3172

Harmonies

Analogous

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



18.3035, 0.3560, 0.1915



18.3035, 0.5083, 0.2574



18.3035, 0.5862, 0.3335

Triad

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



18.3035, 0.5083, 0.2574



18.3035, 0.3428, 0.6044



18.3035, 0.1029, 0.1578

Complementary

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



18.3035, 0.5083, 0.2574



59.0930, 0.2710, 0.4955

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.



18.3035, 0.0997, 0.2275



18.3035, 0.5083, 0.2574



18.3035, 0.2245, 0.5612

Square

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



18.3035, 0.5083, 0.2574



18.3035, 0.4626, 0.5222



18.3035, 0.1361, 0.3774



18.3035, 0.1400, 0.1375

Rectangle

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



18.3035, 0.5083, 0.2574



18.3035, 0.5765, 0.3889



18.3035, 0.1361, 0.3774



18.3035, 0.0982, 0.1741

Sweetspot

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



18.3046, 0.5083, 0.2574



58.2101, 0.3483, 0.2916



9.8171, 0.2043, 0.0899



11.5152, 0.3550, 0.2861



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.



18.3046, 0.5083, 0.2574



22.6627, 0.5096, 0.2581



17.2416, 0.6391, 0.3307



14.4822, 0.3218, 0.3178



10.1854, 0.5047, 0.2554



0.7714, 0.4708, 0.2367

Inverse Universe

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



18.3046, 0.5083, 0.2574



22.6627, 0.5096, 0.2581



61.3828, 0.2232, 0.3236



14.4822, 0.3218, 0.3178



10.1854, 0.5047, 0.2554



0.7714, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 18.3035, 0.5083, 0.2574 looks on a white background.

Color Contrast Check

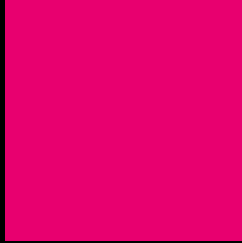
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.3035, 0.5083, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

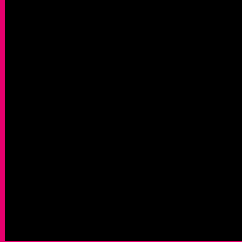
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3035, 0.5083, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 18.3035, 0.5083, 0.2574.



This preview shows how white text looks on a background with the Yxy color 18.3035, 0.5083, 0.2574.

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

18.3035, 0.5083, 0.2574

Protanopia

19.0181, 0.2588, 0.2545

Deuteranopia

18.9193, 0.3623, 0.3562



Tritanopia

18.6412, 0.5957, 0.3298

Trichromacy



Original Color

18.3035, 0.5083, 0.2574



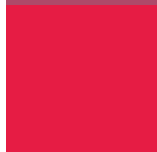
Protanomaly

14.0221, 0.3340, 0.2244



Deuteranomaly

14.8017, 0.4269, 0.2842



Tritanomaly

18.0709, 0.5747, 0.3046

Monochromacy



Original Color

18.3035, 0.5083, 0.2574



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.5647, 0.4050, 0.2566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3035, 0.5083, 0.2574 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 111) }
```

Border

The CSS property to change the border of an element to Yxy 18.3035, 0.5083, 0.2574 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, 111) }
```

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

```
.border{ border-color:rgb(232, 0, 111) }
```

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, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 111);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3035, 0.5083, 0.2574 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, 111) }
```

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

```
.background{ background-color: rgb(232, 0,  
111) }
```

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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