

Converting Colors

$Yxy(17.8947, 0.5053, 0.2557)$

Have a look what the booklet for
Yxy(17.8947, 0.5053, 0.2557)
contains.

Yxy(17.9707, 0.5064, 0.2563)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.9707, 0.5064, 0.2563)

Conversions

Conversions Part 1

Format	Color
Hex	E6006F
RGB	230, 0, 111
RGB Percent	90%, 0%, 44%
CMY	0.0980, 1.0000, 0.5647
CMYK	0.00, 1.00, 0.52, 0.10
HSL	331°, 100%, 45%
HSV	331°, 100%, 90%
XYZ	35.5067, 17.9707, 16.6385
YIQ	81.4240, 101.4490, 83.2810

Conversions

Conversions Part 2

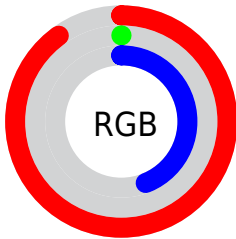
Format	Color
R_{YB}	230, 0, 111
Decimal	15073391
CIE _{Lab}	49.46, 77.95, 5.94
CIE _{LCh}	49, 78.172, 4.356
Yxy	17.9707, 0.5064, 0.2563
Android (android.graphics.Color)	4293263471 (0xFFE6006F)
YUV	81.4240, 14.5810, 130.3012
Hunter-Lab	42.3919, 75.3227, 6.4034

Details

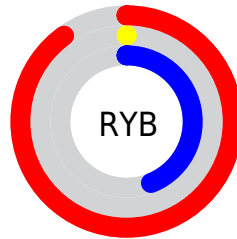
The Yxy color **17.9707, 0.5064, 0.2563** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **57.9348, 0.2714, 0.4971**, and the grayscale version is **8.2732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8740, 0.4269, 0.2629**, and **8.5857, 0.5428, 0.2764** is the 20% darker color. If you saturate the color by 10%, you get **17.9736, 0.5064, 0.2563**, and if you desaturate by 10%, it is **18.8663, 0.4817, 0.2489**.

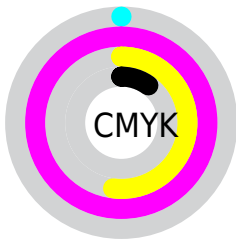
Distribution



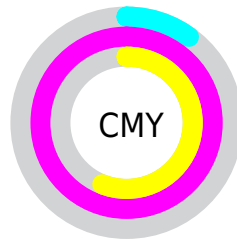
- Red (90%)
- Green (0%)
- Blue (44%)



- Red (90%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9707, 0.5064, 0.2563 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 17.9707, 0.5064, 0.2563 by changing the saturation by 10% instead.


 17.9707, 0.5064,
0.2563


 17.9707, 0.5064,
0.2563


240.7058, 0.3958,
0.2994


 10.9290, 0.5386,
0.2430


 39.9874, 0.4628,
0.2738


 6.0191, 0.5826,
0.2244

 55.7311, 0.4474,
0.2798


 2.8567, 0.6449,
0.1971

 75.1443, 0.4349,
0.2846

 1.0574, 0.7382,
0.1553

 98.6114, 0.4244,
0.2886

 0.0000, 1.0000,
0.0000

 126.5166, 0.4156,
0.2920

 0.0000, 0.0000,
0.0000

 159.2445, 0.4081,

0.2948

197.1795, 0.4015,
0.2973

■ 17.9707, 0.5064,
0.2563

■ 17.9707, 0.5064,
0.2563

■ 17.9736, 0.5064,
0.2563

■ 18.8663, 0.4817,
0.2489

■ 20.5238, 0.4558,
0.2464

■ 23.1800, 0.4300,
0.2491

■ 26.9708, 0.4056,
0.2563

■ 32.0107, 0.3836,
0.2665

■ 38.3999, 0.3642,
0.2785

■ 46.2286, 0.3477,
0.2914

■ 55.5787, 0.3338,
0.3044

■ 66.5264, 0.3223,
0.3170

Harmonies

Analogous

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



17.9707, 0.3537, 0.1906



17.9707, 0.5064, 0.2563



17.9707, 0.5859, 0.3323

Triad

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



17.9707, 0.5064, 0.2563



17.9707, 0.3446, 0.6038



17.9707, 0.1026, 0.1584

Complementary

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



17.9707, 0.5064, 0.2563



57.9348, 0.2714, 0.4971

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.



17.9707, 0.0999, 0.2291



17.9707, 0.5064, 0.2563



17.9707, 0.2261, 0.5633

Square

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



17.9707, 0.5064, 0.2563



17.9707, 0.4644, 0.5208



17.9707, 0.1370, 0.3802



17.9707, 0.1391, 0.1375

Rectangle

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



17.9707, 0.5064, 0.2563



17.9707, 0.5772, 0.3876



17.9707, 0.1370, 0.3802



17.9707, 0.0980, 0.1749

Sweetspot

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



17.9736, 0.5064, 0.2563



58.2280, 0.3480, 0.2912



9.6248, 0.2043, 0.0899



11.5194, 0.3547, 0.2857



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.



17.9736, 0.5064, 0.2563



22.6917, 0.5076, 0.2570



16.9089, 0.6392, 0.3307



14.4833, 0.3217, 0.3177



10.1985, 0.5028, 0.2543



0.7723, 0.4692, 0.2358

Inverse Universe

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



17.9736, 0.5064, 0.2563



22.6917, 0.5076, 0.2570



60.2062, 0.2232, 0.3236



14.4833, 0.3217, 0.3177



10.1985, 0.5028, 0.2543



0.7723, 0.4692, 0.2358

Previews

White Background



This preview shows how the Yxy color 17.9707, 0.5064, 0.2563 looks on a white background.

Color Contrast Check

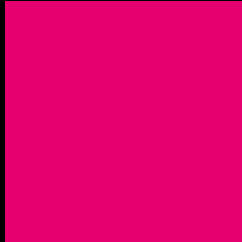
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9707, 0.5064, 0.2563 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 17.9707, 0.5064, 0.2563

Background



This preview shows how black text looks on a background with the Yxy color 17.9707, 0.5064, 0.2563.



This preview shows how white text looks on a background with the Yxy color 17.9707, 0.5064, 0.2563.

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

17.9707, 0.5064, 0.2563

Protanopia

18.6559, 0.2566, 0.2523

Deuteranopia

18.5194, 0.3600, 0.3547



Tritanopia

18.3141, 0.5949, 0.3298

Trichromacy



Original Color

17.9707, 0.5064, 0.2563



Protanomaly

13.6907, 0.3312, 0.2220



Deuteranomaly

14.4429, 0.4245, 0.2822



Tritanomaly

17.7418, 0.5736, 0.3042

Monochromacy



Original Color

17.9707, 0.5064, 0.2563



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.3796, 0.4037, 0.2572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9707, 0.5064, 0.2563 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(230, 0, 111)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 0, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 111) }
```

Border

The CSS property to change the border of an element to Yxy 17.9707, 0.5064, 0.2563 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(230, 0, 111) }
```

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

```
.border{ border-color:rgb(230, 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(230, 0, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 111);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9707, 0.5064, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 111) }
```

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

```
.background{ background-color: rgb(230, 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](#).

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