

Converting Colors

$Y_{xy}(16.4971, 0.5202, 0.2531)$

Have a look what the booklet for
Yxy(16.4971, 0.5202, 0.2531)
contains.

Yxy(17.3508, 0.5148, 0.2610)	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(17.3508, 0.5148, 0.2610)

Conversions

Conversions Part 1

Format	Color
Hex	E30069
RGB	227, 0, 105
RGB Percent	89%, 0%, 41%
CMY	0.1099, 0.9992, 0.5883
CMYK	0.00, 1.00, 0.54, 0.11
HSL	332°, 100%, 45%
HSV	332°, 100%, 89%
XYZ	34.2230, 17.3508, 14.9044
YIQ	79.8430, 101.5870, 80.7790

Conversions

Conversions Part 2

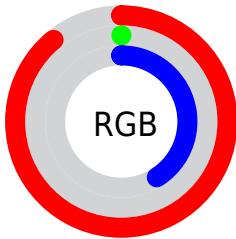
Format	Color
R_{YB}	227, 0, 105
Decimal	14876777
CIE _{Lab}	48.70, 76.84, 8.48
CIE _{LCh}	49, 77.301, 6.295
Yxy	17.3508, 0.5148, 0.2610
Android (android.graphics.Color)	4293066857 (0xFFE30069)
YUV	79.8430, 12.4024, 129.0567
Hunter-Lab	41.6543, 73.7597, 7.9433

Details

The Yxy color **17.3508, 0.5148, 0.2610** 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 **56.3392, 0.2694, 0.4897**, and the grayscale version is **7.9748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4890, 0.4354, 0.2680**, and **8.2083, 0.5517, 0.2813** is the 20% darker color. If you saturate the color by 10%, you get **17.3448, 0.5150, 0.2611**, and if you desaturate by 10%, it is **18.2259, 0.4890, 0.2532**.

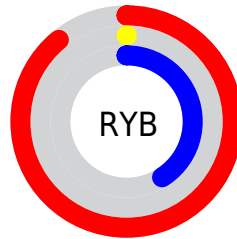
Distribution



Red (89%)

Green (0%)

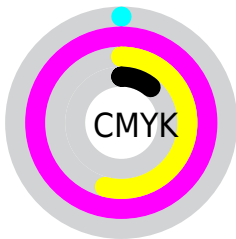
Blue (41%)



Red (89%)

Yellow (0%)

Blue (41%)

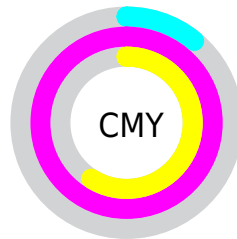


Cyan (0%)

Magenta (100%)

Yellow (54%)

Black (11%)



Cyan (11%)


Magenta (100%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3508, 0.5148, 0.2610 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 17.3508, 0.5148, 0.2610 by changing the saturation by 10% instead.


 17.3508, 0.5148,
0.2610


 17.3508, 0.5148,
0.2610


237.1859, 0.3987,
0.3024


 10.4849, 0.5489,
0.2478


 38.9279, 0.4688,
0.2781


 5.7216, 0.5954,
0.2289

 54.4080, 0.4527,
0.2839


 2.6766, 0.6613,
0.2006

 73.5282, 0.4395,
0.2885

 0.9653, 0.7672,
0.1581

 96.6730, 0.4286,
0.2923

 0.0000, 1.0000,
0.0000

 124.2268, 0.4193,
0.2955

 0.0000, 0.0000,
0.0000

 156.5740, 0.4115,

0.2982

194.0989, 0.4046,
0.3004

■ 17.3508, 0.5148,
0.2610

■ 17.3508, 0.5148,
0.2610

■ 17.3448, 0.5150,
0.2611

■ 18.2259, 0.4890,
0.2532

■ 19.8472, 0.4619,
0.2503

■ 22.4409, 0.4349,
0.2527

■ 26.1384, 0.4093,
0.2595

■ 31.0505, 0.3862,
0.2692

■ 37.2743, 0.3661,
0.2808

■ 44.8968, 0.3489,
0.2931

■ 53.9977, 0.3345,
0.3056

■ 64.6507, 0.3225,
0.3177

Harmonies

Analogous

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



17.3508, 0.3638, 0.1942



17.3508, 0.5148, 0.2610



17.3508, 0.5872, 0.3374

Triad

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



17.3508, 0.5148, 0.2610



17.3508, 0.3367, 0.6065



17.3508, 0.1038, 0.1557

Complementary

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



17.3508, 0.5148, 0.2610



56.3392, 0.2694, 0.4897

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.



17.3508, 0.0990, 0.2223



17.3508, 0.5148, 0.2610



17.3508, 0.2189, 0.5544

Square

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



17.3508, 0.5148, 0.2610



17.3508, 0.4572, 0.5277



17.3508, 0.1330, 0.3679



17.3508, 0.1427, 0.1373

Rectangle

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



17.3508, 0.5148, 0.2610



17.3508, 0.5742, 0.3933



17.3508, 0.1330, 0.3679



17.3508, 0.0986, 0.1712

Sweetspot

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



17.3519, 0.5148, 0.2610



58.1471, 0.3493, 0.2928



9.6259, 0.2078, 0.0919



11.5003, 0.3563, 0.2875



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.



17.3519, 0.5148, 0.2610



22.5635, 0.5165, 0.2619



16.4969, 0.6381, 0.3315



14.4782, 0.3220, 0.3182



10.1406, 0.5115, 0.2591



0.7679, 0.4765, 0.2398

Inverse Universe

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



17.3519, 0.5148, 0.2610



22.5635, 0.5165, 0.2619



56.4295, 0.2218, 0.3184



14.4782, 0.3220, 0.3182



10.1406, 0.5115, 0.2591



0.7679, 0.4765, 0.2398

Previews

White Background



This preview shows how the Yxy color 17.3508, 0.5148, 0.2610 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 17.3508, 0.5148, 0.2610 looks on a black 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

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

Yxy 17.3508, 0.5148, 0.2610

Background



This preview shows how black text looks on a background with the Yxy color 17.3508, 0.5148, 0.2610.



This preview shows how white text looks on a background with the Yxy color 17.3508, 0.5148, 0.2610.

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

17.3508, 0.5148, 0.2610

Protanopia

17.9459, 0.2651, 0.2629

Deuteranopia

17.8890, 0.3662, 0.3605



Tritanopia

17.6633, 0.5981, 0.3304

Trichromacy



Original Color

17.3508, 0.5148, 0.2610



Protanomaly

13.2261, 0.3421, 0.2310



Deuteranomaly

13.9706, 0.4334, 0.2892



Tritanomaly

17.1616, 0.5781, 0.3065

Monochromacy



Original Color

17.3508, 0.5148, 0.2610



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.0755, 0.4074, 0.2598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3508, 0.5148, 0.2610 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(227, 0, 105)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 105)  
}
```

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(227, 0, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 105) }
```

Border

The CSS property to change the border of an element to Yxy 17.3508, 0.5148, 0.2610 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(227, 0, 105) }
```

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

```
.border{ border-color:rgb(227, 0, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 105);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3508, 0.5148, 0.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 105) }
```

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

```
.background{ background-color: rgb(227, 0,  
105) }
```

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