

Converting Colors

$Y_{xy}(13.8978, 0.5165, 0.2349)$

Have a look what the booklet for
Yxy(13.8978, 0.5165, 0.2349)
contains.

Yxy(15.9460, 0.5041, 0.2551)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.9460, 0.5041, 0.2551)

Conversions

Conversions Part 1

Format	Color
Hex	DA006A
RGB	218, 0, 106
RGB Percent	85%, 0%, 42%
CMY	0.1452, 0.9993, 0.5843
CMYK	0.00, 1.00, 0.51, 0.15
HSL	331°, 100%, 43%
HSV	331°, 100%, 85%
XYZ	31.5107, 15.9460, 15.0521
YIQ	77.2660, 95.9020, 79.1820

Conversions

Conversions Part 2

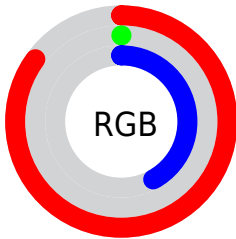
Format	Color
R_{YB}	218, 0, 106
Decimal	14286954
CIE _{Lab}	46.90, 74.92, 5.04
CIE _{LCh}	47, 75.087, 3.850
Yxy	15.9460, 0.5041, 0.2551
Android (android.graphics.Color)	4292477034 (0xFFDA006A)
YUV	77.2660, 14.1659, 123.4237
Hunter-Lab	39.9324, 70.9726, 5.6040

Details

The Yxy color **15.9460, 0.5041, 0.2551** 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 **51.3076, 0.2716, 0.4976**, and the grayscale version is **7.4527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1765, 0.4347, 0.2654**, and **7.3837, 0.5434, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **15.9411, 0.5043, 0.2552**, and if you desaturate by 10%, it is **16.7647, 0.4795, 0.2480**.

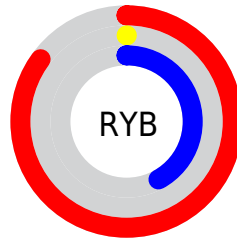
Distribution



Red (85%)

Green (0%)

Blue (42%)



Red (85%)

Yellow (0%)

Blue (42%)

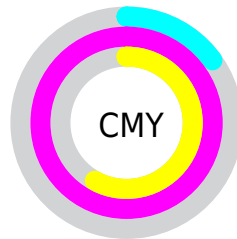


Cyan (0%)

Magenta (100%)

Yellow (51%)

Black (15%)



Cyan (15%)


Magenta (100%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9460, 0.5041, 0.2551 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 15.9460, 0.5041, 0.2551 by changing the saturation by 10% instead.


 15.9460, 0.5041,
0.2551


 15.9460, 0.5041,
0.2551


229.0229, 0.3930,
0.2994


 9.4859, 0.5375,
0.2411


 36.5044, 0.4597,
0.2732


 5.0595, 0.5836,
0.2213

 51.3716, 0.4442,
0.2794

 2.2822, 0.6504,
0.1917

 69.8099, 0.4317,
0.2844

 0.7643, 0.7619,
0.1463

 92.2038, 0.4213,
0.2884

 0.0000, 1.0000,
0.0000

 118.9377, 0.4125,
0.2919

 0.0000, 0.0000,
0.0000

 150.3959, 0.4051,

0.2947

186.9628, 0.3986,
0.2972

■ 15.9460, 0.5041,
0.2551

■ 15.9460, 0.5041,
0.2551

■ 15.9411, 0.5043,
0.2552

■ 16.7647, 0.4795,
0.2480

■ 18.2566, 0.4539,
0.2457

■ 20.6316, 0.4285,
0.2487

■ 24.0081, 0.4044,
0.2560

■ 28.4860, 0.3826,
0.2664

■ 34.1531, 0.3636,
0.2785

■ 41.0882, 0.3472,
0.2914

■ 49.3632, 0.3335,
0.3044

■ 59.0446, 0.3221,
0.3171

Harmonies

Analogous

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



15.9460, 0.3510, 0.1897



15.9460, 0.5041, 0.2551



15.9460, 0.5854, 0.3310

Triad

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



15.9460, 0.5041, 0.2551



15.9460, 0.3467, 0.6029



15.9460, 0.1023, 0.1591

Complementary

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



15.9460, 0.5041, 0.2551



51.3076, 0.2716, 0.4976

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.



15.9460, 0.1002, 0.2309



15.9460, 0.5041, 0.2551



15.9460, 0.2280, 0.5654

Square

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



15.9460, 0.5041, 0.2551



15.9460, 0.4668, 0.5196



15.9460, 0.1381, 0.3834



15.9460, 0.1382, 0.1376

Rectangle

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



15.9460, 0.5041, 0.2551



15.9460, 0.5778, 0.3861



15.9460, 0.1381, 0.3834



15.9460, 0.0979, 0.1760

Sweetspot

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



15.9470, 0.5041, 0.2551



58.2408, 0.3478, 0.2910



8.3212, 0.2014, 0.0883



11.5224, 0.3544, 0.2854



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.



15.9470, 0.5041, 0.2551



22.7125, 0.5062, 0.2562



14.9068, 0.6400, 0.3300



13.1564, 0.3216, 0.3177



9.5739, 0.5009, 0.2533



0.6376, 0.4638, 0.2329

Inverse Universe

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



15.9470, 0.5041, 0.2551



22.7125, 0.5062, 0.2562



55.1951, 0.2247, 0.3287



13.1564, 0.3216, 0.3177



9.5739, 0.5009, 0.2533



0.6376, 0.4638, 0.2329

Previews

White Background



This preview shows how the Yxy color 15.9460, 0.5041, 0.2551 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 15.9460, 0.5041, 0.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

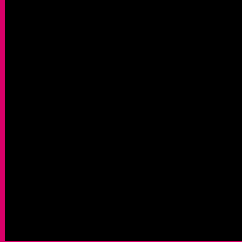
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9460, 0.5041, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 15.9460, 0.5041, 0.2551.



This preview shows how white text looks on a background with the Yxy color 15.9460, 0.5041, 0.2551.

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

15.9460, 0.5041, 0.2551

Protanopia

16.6550, 0.2561, 0.2522

Deuteranopia

16.5462, 0.3582, 0.3521



Tritanopia

16.2702, 0.5934, 0.3298

Trichromacy



Original Color

15.9460, 0.5041, 0.2551



Protanomaly

12.2133, 0.3303, 0.2216



Deuteranomaly

12.8577, 0.4229, 0.2813



Tritanomaly

15.7644, 0.5715, 0.3037

Monochromacy



Original Color

15.9460, 0.5041, 0.2551



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.4904, 0.4013, 0.2556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9460, 0.5041, 0.2551 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(218, 0, 106)` looks like.

```
.text, #text, p{  
  color:rgb(218, 0, 106)  
}
```

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(218, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 106) }
```

Border

The CSS property to change the border of an element to Yxy 15.9460, 0.5041, 0.2551 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(218, 0, 106) }
```

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

```
.border{ border-color:rgb(218, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(218, 0,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9460, 0.5041, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 106) }
```

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

```
.background{ background-color: rgb(218, 0,  
106) }
```

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