

Converting Colors

$Y_{xy}(14.9085, 0.4970, 0.2266)$

Have a look what the booklet for
Yxy(14.9085, 0.4970, 0.2266)
contains.

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Color

Yxy(16.9960, 0.4860, 0.2451)

Conversions

Conversions Part 1

Format	Color
Hex	DF0076
RGB	223, 0, 118
RGB Percent	87%, 0%, 46%
CMY	0.1255, 0.9997, 0.5372
CMYK	0.00, 1.00, 0.47, 0.13
HSL	328°, 100%, 44%
HSV	328°, 100%, 87%
XYZ	33.7008, 16.9960, 18.6464
YIQ	80.1290, 95.0300, 83.9740

Conversions

Conversions Part 2

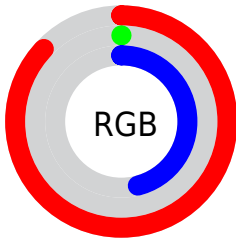
Format	Color
R_{YB}	223, 0, 118
Decimal	14614646
CIE Lab	48.25, 76.93, -0.28
CIE LCh	48, 76.931, 359.792
Yxy	16.9960, 0.4860, 0.2451
Android (android.graphics.Color)	4292804726 (0xFFDF0076)
YUV	80.1290, 18.6704, 125.2979
Hunter-Lab	41.2262, 73.7707, 2.0418

Details

The Yxy color **16.9960, 0.4860, 0.2451** 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 **53.7944, 0.2757, 0.5125**, and the grayscale version is **8.0063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8166, 0.4167, 0.2534**, and **8.0193, 0.5210, 0.2644** is the 20% darker color. If you saturate the color by 10%, you get **16.9946, 0.4861, 0.2451**, and if you desaturate by 10%, it is **17.8474, 0.4638, 0.2389**.

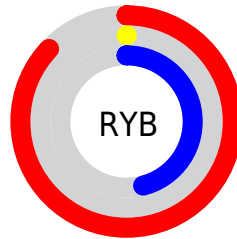
Distribution



Red (87%)

Green (0%)

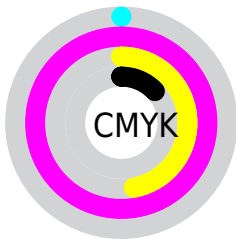
Blue (46%)



Red (87%)

Yellow (0%)

Blue (46%)

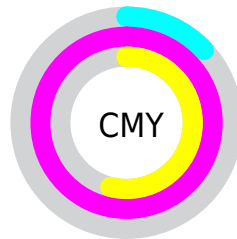


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9960, 0.4860, 0.2451 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 16.9960, 0.4860, 0.2451 by changing the saturation by 10% instead.


 16.9960, 0.4860,
0.2451


 16.9960, 0.4860,
0.2451

235.1493, 0.3868,
0.2931

 10.2316, 0.5153,
0.2310


 38.3189, 0.4467,
0.2641


 5.5528, 0.5556,
0.2115

 53.6462, 0.4329,
0.2707


 2.5751, 0.6138,
0.1835

 72.5967, 0.4217,
0.2762

 0.9142, 0.7019,
0.1412

 95.5546, 0.4124,
0.2807

 0.0000, 1.0000,
0.0000

 122.9044, 0.4045,
0.2845

 0.0000, 0.0000,
0.0000

 155.0306, 0.3978,

0.2878

192.3174, 0.3919,
0.2906

■ 16.9960, 0.4860,
0.2451

■ 16.9960, 0.4860,
0.2451

■ 16.9946, 0.4861,
0.2451

■ 17.8474, 0.4638,
0.2389

■ 19.4036, 0.4409,
0.2375

■ 21.8847, 0.4181,
0.2414

■ 25.4160, 0.3965,
0.2496

■ 30.1032, 0.3768,
0.2609

■ 36.0389, 0.3595,
0.2740

■ 43.3062, 0.3446,
0.2881

■ 51.9810, 0.3320,
0.3022

■ 62.1334, 0.3215,
0.3160

Harmonies

Analogous

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



16.9960, 0.3303, 0.1822



16.9960, 0.4860, 0.2451



16.9960, 0.5818, 0.3202

Triad

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



16.9960, 0.4860, 0.2451



16.9960, 0.3630, 0.5963



16.9960, 0.0997, 0.1649

Complementary

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



16.9960, 0.4860, 0.2451



53.7944, 0.2757, 0.5125

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.



16.9960, 0.1022, 0.2460



16.9960, 0.4860, 0.2451



16.9960, 0.2430, 0.5824

Square

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



16.9960, 0.4860, 0.2451



16.9960, 0.4817, 0.5053



16.9960, 0.1468, 0.4101



16.9960, 0.1308, 0.1380

Rectangle

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



16.9960, 0.4860, 0.2451



16.9960, 0.5835, 0.3743



16.9960, 0.1468, 0.4101



16.9960, 0.0968, 0.1842

Sweetspot

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



16.9970, 0.4860, 0.2451



58.4131, 0.3450, 0.2877



8.2783, 0.1948, 0.0847



11.5631, 0.3510, 0.2817



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.



16.9970, 0.4860, 0.2451



23.0066, 0.4876, 0.2460



15.7053, 0.6372, 0.3284



13.8211, 0.3210, 0.3167



10.0161, 0.4829, 0.2434



0.7123, 0.4512, 0.2259

Inverse Universe

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



16.9970, 0.4860, 0.2451



23.0066, 0.4876, 0.2460



57.7086, 0.2275, 0.3391



13.8211, 0.3210, 0.3167



10.0161, 0.4829, 0.2434



0.7123, 0.4512, 0.2259

Previews

White Background



This preview shows how the Yxy color 16.9960, 0.4860, 0.2451 looks on a white background.

Color Contrast Check

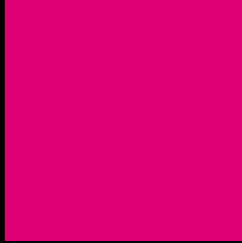
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9960, 0.4860, 0.2451 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 16.9960, 0.4860, 0.2451

Background



This preview shows how black text looks on a background with the Yxy color 16.9960, 0.4860, 0.2451.



This preview shows how white text looks on a background with the Yxy color 16.9960, 0.4860, 0.2451.

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

16.9960, 0.4860, 0.2451

Protanopia

17.7604, 0.2403, 0.2316

Deuteranopia

17.5178, 0.3423, 0.3347



Tritanopia

17.4539, 0.5866, 0.3298

Trichromacy



Original Color

16.9960, 0.4860, 0.2451



Protanomaly

12.8391, 0.3069, 0.2042



Deuteranomaly

13.5688, 0.4023, 0.2664



Tritanomaly

16.7817, 0.5607, 0.2989

Monochromacy



Original Color

16.9960, 0.4860, 0.2451



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.0813, 0.3940, 0.2503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9960, 0.4860, 0.2451 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(223, 0, 118)` looks like.

```
.text, #text, p{  
  color:rgb(223, 0, 118)  
}
```

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(223, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 118) }
```

Border

The CSS property to change the border of an element to Yxy 16.9960, 0.4860, 0.2451 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(223, 0, 118) }
```

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

```
.border{ border-color:rgb(223, 0, 118) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9960, 0.4860, 0.2451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 118) }
```

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

```
.background{ background-color: rgb(223, 0,  
118) }
```

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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