

Converting Colors

$Yxy(16.7314, 0.4916, 0.2482)$

Have a look what the booklet for
Yxy(16.7314, 0.4916, 0.2482)
contains.

Yxy(16.7445, 0.4927, 0.2488)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7445, 0.4927, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	DE0072
RGB	222, 0, 114
RGB Percent	87%, 0%, 45%
CMY	0.1294, 0.9996, 0.5530
CMYK	0.00, 1.00, 0.49, 0.13
HSL	329°, 100%, 44%
HSV	329°, 100%, 87%
XYZ	33.1592, 16.7445, 17.3973
YIQ	79.3740, 95.7180, 82.5180

Conversions

Conversions Part 2

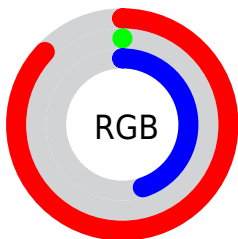
Format	Color
RYB	222, 0, 114
Decimal	14549106
CIELab	47.94, 76.40, 1.71
CIElCh	48, 76.417, 1.281
Yxy	16.7445, 0.4927, 0.2488
Android (android.graphics.Color)	4292739186 (0xFFDE0072)
YUV	79.3740, 17.0706, 125.0830
Hunter-Lab	40.9200, 73.0359, 3.4367

Details

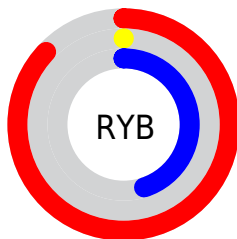
The Yxy color **16.7445, 0.4927, 0.2488** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **53.3256, 0.2742, 0.5071**, and the grayscale version is **7.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6675, 0.4221, 0.2573**, and **7.8669, 0.5301, 0.2694** is the 20% darker color. If you saturate the color by 10%, you get **16.7419, 0.4928, 0.2488**, and if you desaturate by 10%, it is **17.5896, 0.4696, 0.2422**.

Distribution



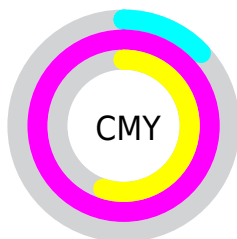
- Red (87%)
- Green (0%)
- Blue (45%)



- Red (87%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (13%)




- Cyan (13%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7445, 0.4927, 0.2488 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 16.7445, 0.4927, 0.2488 by changing the saturation by 10% instead.

 16.7445, 0.4927,
0.2488


 16.7445, 0.4927,
0.2488


233.6957, 0.3893,
0.2953


 10.0525, 0.5234,
0.2348


 37.8860, 0.4516,
0.2674


 5.4338, 0.5657,
0.2153

 53.1042, 0.4372,
0.2739


 2.5040, 0.6268,
0.1869

 71.9333, 0.4255,
0.2791

 0.8786, 0.7196,
0.1436

 94.7577, 0.4158,
0.2835

 0.0000, 1.0000,
0.0000

 121.9617, 0.4076,
0.2872

 0.0000, 0.0000,
0.0000

 153.9298, 0.4006,

0.2903

191.0463, 0.3945,
0.2930

■ 16.7445, 0.4927,
0.2488

■ 16.7445, 0.4927,
0.2488

■ 16.7419, 0.4928,
0.2488

■ 17.5896, 0.4696,
0.2422

■ 19.1342, 0.4457,
0.2405

■ 21.5962, 0.4219,
0.2441

■ 25.0995, 0.3994,
0.2519

■ 29.7487, 0.3790,
0.2629

■ 35.6353, 0.3610,
0.2757

■ 42.8417, 0.3456,
0.2893

■ 51.4430, 0.3326,
0.3030

■ 61.5086, 0.3217,
0.3164

Harmonies

Analogous

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



16.7445, 0.3378, 0.1850



16.7445, 0.4927, 0.2488



16.7445, 0.5832, 0.3242

Triad

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



16.7445, 0.4927, 0.2488



16.7445, 0.3570, 0.5988



16.7445, 0.1007, 0.1627

Complementary

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



16.7445, 0.4927, 0.2488



53.3256, 0.2742, 0.5071

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.



16.7445, 0.1015, 0.2403



16.7445, 0.4927, 0.2488



16.7445, 0.2375, 0.5764

Square

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



16.7445, 0.4927, 0.2488



16.7445, 0.4762, 0.5105



16.7445, 0.1436, 0.4001



16.7445, 0.1335, 0.1379

Rectangle

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



16.7445, 0.4927, 0.2488



16.7445, 0.5815, 0.3786



16.7445, 0.1436, 0.4001



16.7445, 0.0972, 0.1812

Sweetspot

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



16.7455, 0.4927, 0.2488



58.3495, 0.3460, 0.2889



8.4238, 0.1980, 0.0865



11.5481, 0.3523, 0.2831



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.



16.7455, 0.4927, 0.2488



22.8950, 0.4944, 0.2497



15.5394, 0.6386, 0.3292



13.8174, 0.3212, 0.3170



9.9675, 0.4896, 0.2471



0.7090, 0.4566, 0.2289

Inverse Universe

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



16.7455, 0.4927, 0.2488



22.8950, 0.4944, 0.2497



57.3177, 0.2261, 0.3339



13.8174, 0.3212, 0.3170



9.9675, 0.4896, 0.2471



0.7090, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 16.7445, 0.4927, 0.2488 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 16.7445, 0.4927, 0.2488 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 16.7445, 0.4927, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 16.7445, 0.4927, 0.2488.



This preview shows how white text looks on a background with the Yxy color 16.7445, 0.4927, 0.2488.

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

16.7445, 0.4927, 0.2488

Protanopia

17.4606, 0.2456, 0.2374

Deuteranopia

17.4336, 0.3476, 0.3423



Tritanopia

17.1263, 0.5898, 0.3298

Trichromacy



Original Color

16.7445, 0.4927, 0.2488



Protanomaly

12.7697, 0.3153, 0.2111



Deuteranomaly

13.4817, 0.4097, 0.2725



Tritanomaly

16.5366, 0.5653, 0.3010

Monochromacy



Original Color

16.7445, 0.4927, 0.2488



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.8792, 0.3972, 0.2517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7445, 0.4927, 0.2488 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(222, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 114)  
}
```

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(222, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 114) }
```

Border

The CSS property to change the border of an element to Yxy 16.7445, 0.4927, 0.2488 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(222, 0, 114) }
```

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

```
.border{ border-color:rgb(222, 0, 114) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7445, 0.4927, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 114) }
```

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

```
.background{ background-color: rgb(222, 0,  
114) }
```

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