

Converting Colors

$Yxy(16.3112, 0.4907, 0.2477)$

Have a look what the booklet for
Yxy(16.3112, 0.4907, 0.2477)
contains.

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Color

Yxy(16.2750, 0.4895, 0.2470)

Conversions

Conversions Part 1

Format	Color
Hex	DB0072
RGB	219, 0, 114
RGB Percent	86%, 0%, 45%
CMY	0.1411, 1.0000, 0.5529
CMYK	0.00, 1.00, 0.48, 0.14
HSL	329°, 100%, 43%
HSV	329°, 100%, 86%
XYZ	32.2535, 16.2750, 17.3622
YIQ	78.4770, 93.9300, 81.8820

Conversions

Conversions Part 2

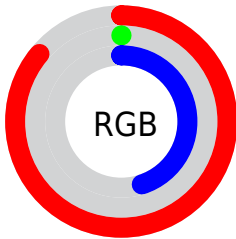
Format	Color
R_{YB}	219, 0, 114
Decimal	14352498
CIE _{Lab}	47.33, 75.76, 0.74
CIE _{LCh}	47, 75.767, 0.561
Yxy	16.2750, 0.4895, 0.2470
Android (android.graphics.Color)	4292542578 (0xFFDB0072)
YUV	78.4770, 17.5128, 123.2387
Hunter-Lab	40.3423, 72.1110, 2.7228

Details

The Yxy color **16.2750, 0.4895, 0.2470** 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 **51.6891, 0.2749, 0.5095**, and the grayscale version is **7.6671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4953, 0.4224, 0.2565**, and **7.5614, 0.5265, 0.2674** is the 20% darker color. If you saturate the color by 10%, you get **16.2768, 0.4895, 0.2470**, and if you desaturate by 10%, it is **17.0999, 0.4668, 0.2406**.

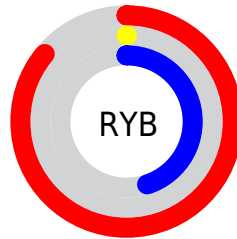
Distribution



Red (86%)

Green (0%)

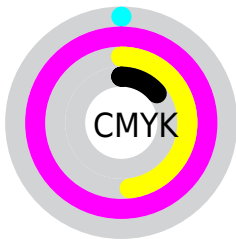
Blue (45%)



Red (86%)

Yellow (0%)

Blue (45%)

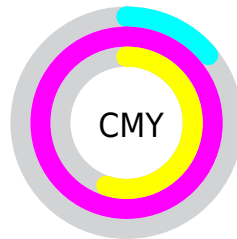


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (14%)



Cyan (14%)


Magenta (100%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2750, 0.4895, 0.2470 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 16.2750, 0.4895, 0.2470 by changing the saturation by 10% instead.


 16.2750, 0.4895,
0.2470

 16.2750, 0.4895,
0.2470


230.9590, 0.3876,
0.2945

 9.7190, 0.5199,
0.2327


 37.0750, 0.4489,
0.2660


 5.2130, 0.5621,
0.2129

 52.0877, 0.4347,
0.2726


 2.3728, 0.6232,
0.1840

 70.6881, 0.4232,
0.2779

 0.8118, 0.7172,
0.1397

 93.2605, 0.4136,
0.2824

 0.0000, 1.0000,
0.0000

 120.1895, 0.4056,
0.2861

 0.0000, 0.0000,
0.0000

 151.8593, 0.3987,

0.2893

188.6543, 0.3928,
0.2921

■ 16.2750, 0.4895,
0.2470

■ 16.2750, 0.4895,
0.2470

■ 16.2768, 0.4895,
0.2470

■ 17.0999, 0.4668,
0.2406

■ 18.5979, 0.4434,
0.2391

■ 20.9837, 0.4201,
0.2428

■ 24.3771, 0.3980,
0.2509

■ 28.8792, 0.3780,
0.2619

■ 34.5786, 0.3603,
0.2749

■ 41.5550, 0.3452,
0.2887

■ 49.8810, 0.3323,
0.3026

■ 59.6237, 0.3216,
0.3161

Harmonies

Analogous

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



16.2750, 0.3342, 0.1836



16.2750, 0.4895, 0.2470



16.2750, 0.5826, 0.3223

Triad

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



16.2750, 0.4895, 0.2470



16.2750, 0.3599, 0.5977



16.2750, 0.1002, 0.1637

Complementary

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



16.2750, 0.4895, 0.2470



51.6891, 0.2749, 0.5095

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.



16.2750, 0.1018, 0.2430



16.2750, 0.4895, 0.2470



16.2750, 0.2401, 0.5794

Square

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



16.2750, 0.4895, 0.2470



16.2750, 0.4791, 0.5082



16.2750, 0.1451, 0.4049



16.2750, 0.1322, 0.1379

Rectangle

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



16.2750, 0.4895, 0.2470



16.2750, 0.5825, 0.3765



16.2750, 0.1451, 0.4049



16.2750, 0.0970, 0.1826

Sweetspot

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



16.2768, 0.4895, 0.2470



58.3789, 0.3455, 0.2883



7.9519, 0.1949, 0.0847



11.5550, 0.3517, 0.2824



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.



16.2768, 0.4895, 0.2470



22.9462, 0.4912, 0.2480



15.0778, 0.6372, 0.3284



13.1642, 0.3211, 0.3169



9.6726, 0.4863, 0.2453



0.6440, 0.4520, 0.2264

Inverse Universe

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



16.2768, 0.4895, 0.2470



22.9462, 0.4912, 0.2480



55.4079, 0.2275, 0.3390



13.1642, 0.3211, 0.3169



9.6726, 0.4863, 0.2453



0.6440, 0.4520, 0.2264

Previews

White Background



This preview shows how the Yxy color 16.2750, 0.4895, 0.2470 looks on a white background.

Color Contrast Check

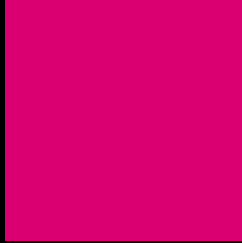
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2750, 0.4895, 0.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

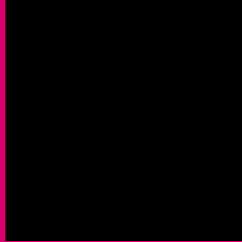
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2750, 0.4895, 0.2470

Background



This preview shows how black text looks on a background with the Yxy color 16.2750, 0.4895, 0.2470.



This preview shows how white text looks on a background with the Yxy color 16.2750, 0.4895, 0.2470.

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

16.2750, 0.4895, 0.2470

Protanopia

17.0873, 0.2443, 0.2366

Deuteranopia

16.8389, 0.3455, 0.3386



Tritanopia

16.6730, 0.5873, 0.3291

Trichromacy



Original Color

16.2750, 0.4895, 0.2470



Protanomaly

12.4608, 0.3124, 0.2086



Deuteranomaly

13.1444, 0.4072, 0.2703



Tritanomaly

16.0854, 0.5617, 0.2993

Monochromacy



Original Color

16.2750, 0.4895, 0.2470



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.7037, 0.3957, 0.2523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2750, 0.4895, 0.2470 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(219, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 114) }
```

Border

The CSS property to change the border of an element to Yxy 16.2750, 0.4895, 0.2470 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(219, 0, 114) }
```

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

```
.border{ border-color:rgb(219, 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(219, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2750, 0.4895, 0.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 114) }
```

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

```
.background{ background-color: rgb(219, 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](#).

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