

Converting Colors

$Yxy(16.1584, 0.5044, 0.2552)$

Have a look what the booklet for
Yxy(16.1584, 0.5044, 0.2552)
contains.

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Color

Yxy(16.1216, 0.5032, 0.2546)

Conversions

Conversions Part 1

Format	Color
Hex	DB006B
RGB	219, 0, 107
RGB Percent	86%, 0%, 42%
CMY	0.1412, 0.9993, 0.5805
CMYK	0.00, 1.00, 0.51, 0.14
HSL	331°, 100%, 43%
HSV	331°, 100%, 86%
XYZ	31.8633, 16.1216, 15.3364
YIQ	77.6790, 96.1770, 79.7050

Conversions

Conversions Part 2

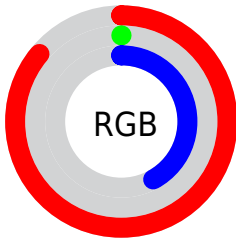
Format	Color
R_YB	219, 0, 107
Decimal	14352491
CIE Lab	47.13, 75.21, 4.79
CIE LCh	47, 75.364, 3.645
Yxy	16.1216, 0.5032, 0.2546
Android (android.graphics.Color)	4292542571 (0xFFDB006B)
YUV	77.6790, 14.4553, 123.9385
Hunter-Lab	40.1517, 71.3871, 5.4597

Details

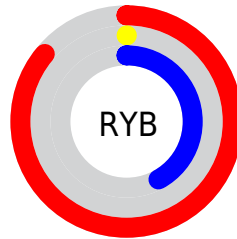
The Yxy color **16.1216, 0.5032, 0.2546** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **51.8304, 0.2718, 0.4984**, and the grayscale version is **7.5317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2108, 0.4334, 0.2644**, and **7.4943, 0.5420, 0.2759** is the 20% darker color. If you saturate the color by 10%, you get **16.1172, 0.5034, 0.2547**, and if you desaturate by 10%, it is **16.9466, 0.4788, 0.2475**.

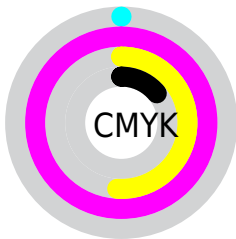
Distribution



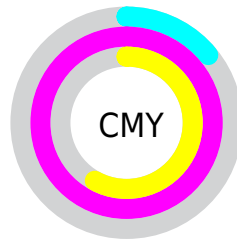
- Red (86%)
- Green (0%)
- Blue (42%)



- Red (86%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1216, 0.5032, 0.2546 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 16.1216, 0.5032, 0.2546 by changing the saturation by 10% instead.


 16.1216, 0.5032,
0.2546


 16.1216, 0.5032,
0.2546


230.0582, 0.3928,
0.2990


 9.6102, 0.5363,
0.2407


 36.8092, 0.4591,
0.2727


 5.1413, 0.5820,
0.2210

 51.7542, 0.4438,
0.2789


 2.3304, 0.6480,
0.1916

 70.2792, 0.4313,
0.2839

 0.7897, 0.7558,
0.1467

 92.7686, 0.4209,
0.2880

 0.0000, 1.0000,
0.0000

 119.6068, 0.4122,
0.2914

 0.0000, 0.0000,
0.0000

 151.1782, 0.4048,

0.2943

187.8672, 0.3984,
0.2968

■ 16.1216, 0.5032,
0.2546

■ 16.1216, 0.5032,
0.2546

■ 16.1172, 0.5034,
0.2547

■ 16.9466, 0.4788,
0.2475

■ 18.4521, 0.4533,
0.2453

■ 20.8495, 0.4279,
0.2483

■ 24.2590, 0.4040,
0.2557

■ 28.7815, 0.3823,
0.2661

■ 34.5057, 0.3634,
0.2782

■ 41.5114, 0.3471,
0.2912

■ 49.8713, 0.3335,
0.3043

■ 59.6527, 0.3221,
0.3170

Harmonies

Analogous

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



16.1216, 0.3500, 0.1893



16.1216, 0.5032, 0.2546



16.1216, 0.5853, 0.3305

Triad

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



16.1216, 0.5032, 0.2546



16.1216, 0.3475, 0.6026



16.1216, 0.1022, 0.1594

Complementary

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



16.1216, 0.5032, 0.2546



51.8304, 0.2718, 0.4984

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.



16.1216, 0.1003, 0.2316



16.1216, 0.5032, 0.2546



16.1216, 0.2288, 0.5663

Square

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



16.1216, 0.5032, 0.2546



16.1216, 0.4675, 0.5188



16.1216, 0.1386, 0.3847



16.1216, 0.1378, 0.1376

Rectangle

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



16.1216, 0.5032, 0.2546



16.1216, 0.5781, 0.3855



16.1216, 0.1386, 0.3847



16.1216, 0.0979, 0.1764

Sweetspot

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



16.1226, 0.5032, 0.2546



58.2498, 0.3476, 0.2908



8.4052, 0.2013, 0.0883



11.5245, 0.3542, 0.2852



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.



16.1226, 0.5032, 0.2546



22.7272, 0.5053, 0.2557



15.0618, 0.6400, 0.3300



13.1569, 0.3216, 0.3176



9.5801, 0.5000, 0.2528



0.6380, 0.4630, 0.2324

Inverse Universe

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



16.1226, 0.5032, 0.2546



22.7272, 0.5053, 0.2557



55.7705, 0.2247, 0.3287



13.1569, 0.3216, 0.3176



9.5801, 0.5000, 0.2528



0.6380, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 16.1216, 0.5032, 0.2546 looks on a white background.

Color Contrast Check

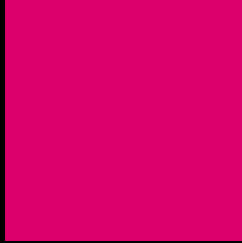
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1216, 0.5032, 0.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

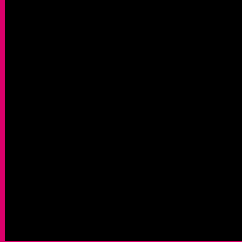
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1216, 0.5032, 0.2546

Background



This preview shows how black text looks on a background with the Yxy color 16.1216, 0.5032, 0.2546.



This preview shows how white text looks on a background with the Yxy color 16.1216, 0.5032, 0.2546.

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

16.1216, 0.5032, 0.2546

Protanopia

16.7216, 0.2544, 0.2491

Deuteranopia

16.5649, 0.3568, 0.3502



Tritanopia

16.4939, 0.5931, 0.3305

Trichromacy



Original Color

16.1216, 0.5032, 0.2546

Protanomaly

12.2707, 0.3272, 0.2189

Deuteranomaly

12.8772, 0.4210, 0.2798

Tritanomaly

15.9289, 0.5705, 0.3030

Monochromacy



Original Color

16.1216, 0.5032, 0.2546

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.6696, 0.4004, 0.2559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1216, 0.5032, 0.2546 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 107) }
```

Border

The CSS property to change the border of an element to Yxy 16.1216, 0.5032, 0.2546 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, 107) }
```

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

```
.border{ border-color:rgb(219, 0, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1216, 0.5032, 0.2546 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, 107) }
```

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

```
.background{ background-color: rgb(219, 0,  
107) }
```

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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