

Converting Colors

$Yxy(18.6308, 0.4587, 0.2522)$

Have a look what the booklet for
Yxy(18.6308, 0.4587, 0.2522)
contains.

Yxy(18.6546, 0.4601, 0.2526)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.6546, 0.4601, 0.2526)

Conversions

Conversions Part 1

Format	Color
Hex	DB307D
RGB	219, 48, 125
RGB Percent	86%, 19%, 49%
CMY	0.1411, 0.8119, 0.5097
CMYK	0.00, 0.78, 0.43, 0.14
HSL	333°, 70%, 52%
HSV	333°, 78%, 86%
XYZ	33.9785, 18.6546, 21.2172
YIQ	107.9070, 77.1990, 60.1990

Conversions

Conversions Part 2

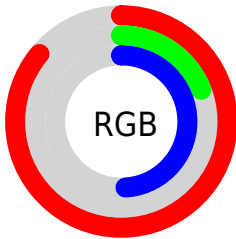
Format	Color
R_{YB}	219, 48, 125
Decimal	14364797
CIE _{Lab}	50.28, 69.17, -1.67
CIE _{LCh}	50, 69.189, 358.614
Yxy	18.6546, 0.4601, 0.2526
Android (android.graphics.Color)	4292554877 (0xFFDB307D)
YUV	107.9070, 8.4268, 97.4286
Hunter-Lab	43.1910, 64.8426, 1.1080

Details

The Yxy color **18.6546, 0.4601, 0.2526** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **53.2557, 0.2644, 0.4479**, and the grayscale version is **14.9239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8032, 0.4026, 0.2627**, and **7.7909, 0.5014, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **16.9971, 0.4880, 0.2546**, and if you desaturate by 10%, it is **21.2347, 0.4325, 0.2557**.

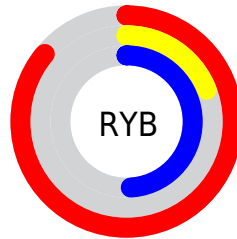
Distribution



Red (86%)

Green (19%)

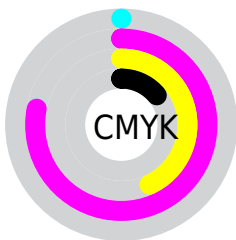
Blue (49%)



Red (86%)

Yellow (19%)

Blue (49%)

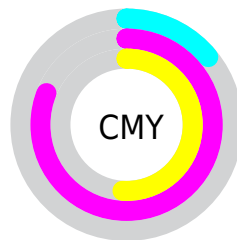


Cyan (0%)

Magenta (78%)

Yellow (43%)

Black (14%)



Cyan (14%)


Magenta (81%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6546, 0.4601, 0.2526 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 18.6546, 0.4601, 0.2526 by changing the saturation by 10% instead.


 18.6546, 0.4601,
0.2526


 18.6546, 0.4601,
0.2526


244.5353, 0.3766,
0.2955


 11.4210, 0.4845,
0.2402


 41.1496, 0.4272,
0.2694


 6.3507, 0.5182,
0.2232


 57.1798, 0.4156,
0.2754


 3.0595, 0.5669,
0.1988

 76.9110, 0.4062,
0.2803

 1.1629, 0.6420,
0.1617

 100.7275, 0.3983,
0.2843

 0.0311, 0.9188,
0.0139

 129.0138, 0.3916,
0.2878

 0.0000, 1.0000,
0.0000

162.1543, 0.3859,

 0.0000, 0.0000,

0.2907

0.0000

200.5333, 0.3809,
0.2933

■ 18.6546, 0.4601,
0.2526

■ 18.6546, 0.4601,
0.2526

■ 16.9971, 0.4880,
0.2546

■ 21.2347, 0.4325,
0.2557

■ 16.0927, 0.5145,
0.2619

■ 24.8503, 0.4068,
0.2628

■ 15.9584, 0.5195,
0.2635

■ 29.6012, 0.3837,
0.2727


■ 35.5746, 0.3637,
0.2842

■ 42.8491, 0.3467,
0.2963

 51.4965, 0.3325,
0.3084

 61.5834, 0.3207,
0.3200

 73.1722, 0.3110,
0.3310

 86.3213, 0.3030,
0.3413

Harmonies

Analogous

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



18.6546, 0.3244, 0.1943



18.6546, 0.4601, 0.2526



18.6546, 0.5494, 0.3242

Triad

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



18.6546, 0.4601, 0.2526



18.6546, 0.3713, 0.5654



18.6546, 0.1167, 0.1840

Complementary

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



18.6546, 0.4601, 0.2526



53.2557, 0.2644, 0.4479

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.



18.6546, 0.1221, 0.2631



18.6546, 0.4601, 0.2526



18.6546, 0.2601, 0.5483

Square

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



18.6546, 0.4601, 0.2526



18.6546, 0.4755, 0.4916



18.6546, 0.1685, 0.4073



18.6546, 0.1451, 0.1553

Rectangle

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



18.6546, 0.4601, 0.2526



18.6546, 0.5577, 0.3758



18.6546, 0.1685, 0.4073



18.6546, 0.1146, 0.2036

Sweetspot

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



18.6557, 0.4601, 0.2526



66.2132, 0.3394, 0.3022



12.7321, 0.2326, 0.1207



13.2504, 0.3447, 0.2978



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.



18.6557, 0.4601, 0.2526



23.0471, 0.5059, 0.2591



17.8840, 0.5800, 0.3340



13.1486, 0.3221, 0.3185



9.4815, 0.5158, 0.2615



0.6315, 0.4760, 0.2396

Inverse Universe

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



18.6557, 0.4601, 0.2526



23.0471, 0.5059, 0.2591



53.4945, 0.2272, 0.3208



13.1486, 0.3221, 0.3185



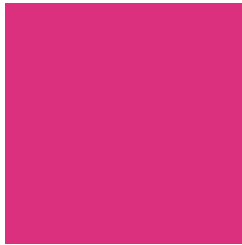
9.4815, 0.5158, 0.2615



0.6315, 0.4760, 0.2396

Previews

White Background



This preview shows how the Yxy color 18.6546, 0.4601, 0.2526 looks on a white background.

Color Contrast Check

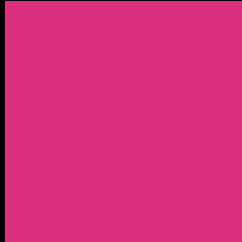
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.6546, 0.4601, 0.2526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

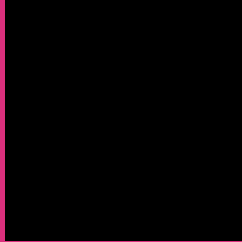
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6546, 0.4601, 0.2526

Background



This preview shows how black text looks on a background with the Yxy color 18.6546, 0.4601, 0.2526.



This preview shows how white text looks on a background with the Yxy color 18.6546, 0.4601, 0.2526.

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

18.6546, 0.4601, 0.2526

Protanopia

19.0241, 0.2492, 0.2433

Deuteranopia

18.7617, 0.3336, 0.3272



Tritanopia

18.7969, 0.5435, 0.3269

Trichromacy



Original Color

18.6546, 0.4601, 0.2526

Protanomaly

16.2067, 0.3091, 0.2337

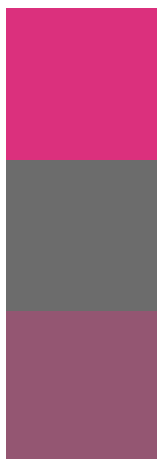
Deuteranomaly

16.7308, 0.3804, 0.2836

Tritanomaly

18.6009, 0.5164, 0.3003

Monochromacy



Original Color

18.6546, 0.4601, 0.2526

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.1664, 0.3685, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6546, 0.4601, 0.2526 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, 48, 125)` looks like.

```
.text, #text, p{  
  color:rgb(219, 48, 125)  
}
```

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, 48, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 48, 125) }
```

Border

The CSS property to change the border of an element to Yxy 18.6546, 0.4601, 0.2526 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, 48, 125) }
```

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

```
.border{ border-color:rgb(219, 48, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 48, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 48, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 48, 125);  
box-shadow:4px 4px 4px 4px rgb(219, 48,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6546, 0.4601, 0.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 48, 125) }
```

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

```
.background{ background-color: rgb(219, 48,  
125) }
```

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