

Converting Colors

$Y_{xy}(18.2685, 0.4612, 0.2494)$

Have a look what the booklet for
Yxy(18.2685, 0.4612, 0.2494)
contains.

Yxy(18.2685, 0.4615, 0.2496)	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(18.2685, 0.4615, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	DB2B7D
RGB	219, 43, 125
RGB Percent	86%, 17%, 49%
CMY	0.1412, 0.8313, 0.5098
CMYK	0.00, 0.80, 0.43, 0.14
HSL	332°, 71%, 51%
HSV	332°, 80%, 86%
XYZ	33.7777, 18.2685, 21.1449
YIQ	104.9720, 78.5740, 62.8140

Conversions

Conversions Part 2

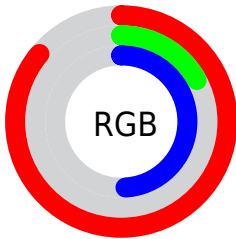
Format	Color
R_{YB}	219, 43, 125
Decimal	14363517
CIE Lab	49.82, 70.45, -2.34
CIE LCh	50, 70.492, 358.101
Yxy	18.2685, 0.4615, 0.2496
Android (android.graphics.Color)	4292553597 (0xFFDB2B7D)
YUV	104.9720, 9.8738, 100.0026
Hunter-Lab	42.7417, 66.2663, 0.5876

Details

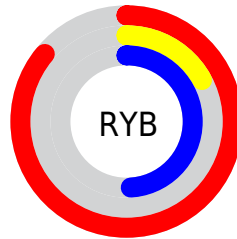
The Yxy color **18.2685, 0.4615, 0.2496** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **52.9822, 0.2657, 0.4563**, and the grayscale version is **14.0788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1594, 0.4034, 0.2600**, and **7.7909, 0.5014, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **16.7993, 0.4883, 0.2525**, and if you desaturate by 10%, it is **20.6287, 0.4347, 0.2519**.

Distribution



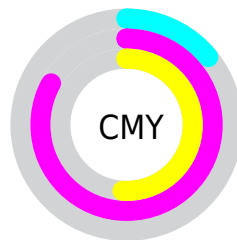
- Red (86%)
- Green (17%)
- Blue (49%)



- Red (86%)
- Yellow (17%)
- Blue (49%)



- Cyan (0%)
- Magenta (80%)
- Yellow (43%)
- Black (14%)




- Cyan (14%)
- Magenta (83%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2685, 0.4615, 0.2496 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 18.2685, 0.4615, 0.2496 by changing the saturation by 10% instead.


 18.2685, 0.4615,
0.2496


 18.2685, 0.4615,
0.2496


242.3801, 0.3771,
0.2942


 11.1429, 0.4862,
0.2368


 40.4943, 0.4282,
0.2670


 6.1631, 0.5203,
0.2192


 56.3633, 0.4165,
0.2732

 2.9445, 0.5697,
0.1941

 75.9156, 0.4070,
0.2783

 1.1028, 0.6459,
0.1560

 99.5356, 0.3990,
0.2825

 0.0000, 0.9347,
0.0000

 127.6077, 0.3922,
0.2861

 0.0000, 1.0000,
0.0000

160.5162, 0.3865,

 0.0000, 0.0000,

0.2892

0.0000

198.6455, 0.3815,
0.2918

■ 18.2685, 0.4615,
0.2496

■ 18.2685, 0.4615,
0.2496

■ 16.7993, 0.4883,
0.2525

■ 20.6287, 0.4347,
0.2519


■ 16.0189, 0.5129,
0.2599


■ 23.9980, 0.4093,
0.2586


■ 28.4792, 0.3864,
0.2684


■ 34.1616, 0.3663,
0.2800

■ 41.1255, 0.3492,
0.2924

 49.4439, 0.3349,
0.3049

 59.1845, 0.3229,
0.3171

 70.4103, 0.3130,
0.3286

 83.1806, 0.3049,
0.3394

Harmonies

Analogous

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



18.2685, 0.3221, 0.1909



18.2685, 0.4615, 0.2496



18.2685, 0.5542, 0.3218

Triad

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



18.2685, 0.4615, 0.2496



18.2685, 0.3728, 0.5698



18.2685, 0.1132, 0.1817

Complementary

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



18.2685, 0.4615, 0.2496



52.9822, 0.2657, 0.4563

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.



18.2685, 0.1189, 0.2629



18.2685, 0.4615, 0.2496



18.2685, 0.2598, 0.5565

Square

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



18.2685, 0.4615, 0.2496



18.2685, 0.4790, 0.4918



18.2685, 0.1663, 0.4121



18.2685, 0.1413, 0.1524

Rectangle

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



18.2685, 0.4615, 0.2496



18.2685, 0.5630, 0.3737



18.2685, 0.1663, 0.4121



18.2685, 0.1113, 0.2018

Sweetspot

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



18.2695, 0.4615, 0.2496



65.0450, 0.3401, 0.3001



12.1518, 0.2298, 0.1166



13.0291, 0.3453, 0.2956



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.



18.2695, 0.4615, 0.2496



22.9424, 0.5048, 0.2574



17.4216, 0.5890, 0.3338



13.1520, 0.3219, 0.3182



9.5205, 0.5094, 0.2580



0.6341, 0.4707, 0.2367

Inverse Universe

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



18.2695, 0.4615, 0.2496



22.9424, 0.5048, 0.2574



53.2826, 0.2263, 0.3206



13.1520, 0.3219, 0.3182



9.5205, 0.5094, 0.2580



0.6341, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 18.2685, 0.4615, 0.2496 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 18.2685, 0.4615, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

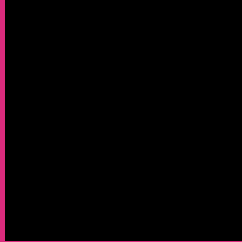
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2685, 0.4615, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 18.2685, 0.4615, 0.2496.



This preview shows how white text looks on a background with the Yxy color 18.2685, 0.4615, 0.2496.

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

18.2685, 0.4615, 0.2496

Protanopia

18.7427, 0.2456, 0.2382

Deuteranopia

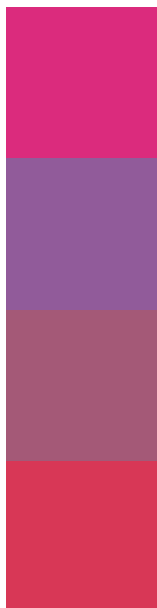
18.4280, 0.3338, 0.3272



Tritanopia

18.2625, 0.5507, 0.3279

Trichromacy



Original Color

18.2685, 0.4615, 0.2496

Protanomaly

15.8350, 0.3054, 0.2275

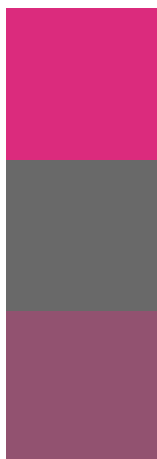
Deuteranomaly

16.3692, 0.3828, 0.2821

Tritanomaly

18.0032, 0.5228, 0.3001

Monochromacy



Original Color

18.2685, 0.4615, 0.2496

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.3154, 0.3702, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2685, 0.4615, 0.2496 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, 43, 125)` looks like.

```
.text, #text, p{  
    color:rgb(219, 43, 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, 43, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 43, 125) }
```

Border

The CSS property to change the border of an element to Yxy 18.2685, 0.4615, 0.2496 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, 43, 125) }
```

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

```
.border{ border-color:rgb(219, 43, 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, 43, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 43, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 43, 125);  
box-shadow:4px 4px 4px 4px rgb(219, 43,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2685, 0.4615, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 43, 125) }
```

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

```
.background{ background-color: rgb(219, 43,  
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