

Converting Colors

$Yxy(16.9317, 0.4552, 0.2498)$

Have a look what the booklet for
Yxy(16.9317, 0.4552, 0.2498)
contains.

Yxy(16.9144, 0.4544, 0.2496)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9144, 0.4544, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	D12E7A
RGB	209, 46, 122
RGB Percent	82%, 18%, 48%
CMY	0.1802, 0.8199, 0.5215
CMYK	0.00, 0.78, 0.42, 0.18
HSL	332°, 64%, 50%
HSV	332°, 78%, 82%
XYZ	30.7929, 16.9144, 20.0587
YIQ	103.4010, 72.7520, 58.1920

Conversions

Conversions Part 2

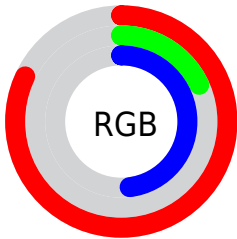
Format	Color
R_{YB}	209, 46, 122
Decimal	13708922
CIE _{Lab}	48.15, 66.89, -3.19
CIE _{LCh}	48, 66.965, 357.266
Yxy	16.9144, 0.4544, 0.2496
Android (android.graphics.Color)	4291899002 (0xFFD12E7A)
YUV	103.4010, 9.1693, 92.6103
Hunter-Lab	41.1271, 61.6749, -0.1283

Details

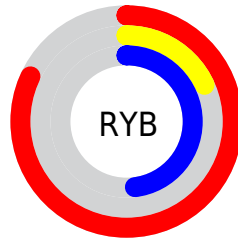
The Yxy color **16.9144, 0.4544, 0.2496** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **47.8910, 0.2657, 0.4518**, and the grayscale version is **13.6290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0411, 0.4071, 0.2630**, and **6.8840, 0.4938, 0.2494** is the 20% darker color. If you saturate the color by 10%, you get **15.4021, 0.4812, 0.2511**, and if you desaturate by 10%, it is **19.2543, 0.4280, 0.2532**.

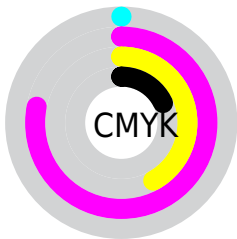
Distribution



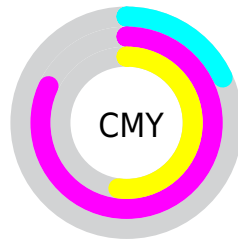
- Red (82%)
- Green (18%)
- Blue (48%)



- Red (82%)
- Yellow (18%)
- Blue (48%)



- Cyan (0%)
- Magenta (78%)
- Yellow (42%)
- Black (18%)



- Cyan (18%)
- Magenta (82%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9144, 0.4544, 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 16.9144, 0.4544, 0.2496 by changing the saturation by 10% instead.


 16.9144, 0.4544,
0.2496


 16.9144, 0.4544,
0.2496


234.6786, 0.3732,
0.2945


 10.1735, 0.4787,
0.2365


 38.1785, 0.4221,
0.2673


 5.5141, 0.5125,
0.2184


 53.4706, 0.4108,
0.2735

 2.5520, 0.5623,
0.1923

 72.3817, 0.4016,
0.2786

 0.9026, 0.6410,
0.1522

 95.2964, 0.3940,
0.2828

 0.0000, 0.9997,
0.0000

 122.5991, 0.3876,
0.2864

 0.0000, 1.0000,
0.0000

154.6741, 0.3821,

 0.0000, 0.0000,

0.2895

0.0000

191.9058, 0.3773,
0.2921

■ 16.9144, 0.4544,
0.2496

■ 16.9144, 0.4544,
0.2496

■ 15.4021, 0.4812,
0.2511

■ 19.2543, 0.4280,
0.2532

■ 14.5649, 0.5070,
0.2579


■ 22.5218, 0.4032,
0.2607


■ 14.4333, 0.5120,
0.2594


■ 26.8057, 0.3811,
0.2710


■ 32.1834, 0.3618,
0.2829

■ 38.7248, 0.3455,
0.2954

 46.4939, 0.3318,
0.3078

 55.5501, 0.3204,
0.3198

 65.9486, 0.3110,
0.3312

 77.7419, 0.3033,
0.3417

Harmonies

Analogous

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



16.9144, 0.3185, 0.1922



16.9144, 0.4544, 0.2496



16.9144, 0.5473, 0.3208

Triad

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



16.9144, 0.4544, 0.2496



16.9144, 0.3763, 0.5633



16.9144, 0.1162, 0.1863

Complementary

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



16.9144, 0.4544, 0.2496



47.8910, 0.2657, 0.4518

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.



16.9144, 0.1232, 0.2682



16.9144, 0.4544, 0.2496



16.9144, 0.2650, 0.5521

Square

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



16.9144, 0.4544, 0.2496



16.9144, 0.4797, 0.4876



16.9144, 0.1717, 0.4147



16.9144, 0.1430, 0.1558

Rectangle

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



16.9144, 0.4544, 0.2496



16.9144, 0.5584, 0.3722



16.9144, 0.1717, 0.4147



16.9144, 0.1147, 0.2067

Sweetspot

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



16.9153, 0.4544, 0.2496



66.2639, 0.3386, 0.3013



11.5348, 0.2329, 0.1213



13.2626, 0.3438, 0.2967



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.



16.9153, 0.4544, 0.2496



23.1453, 0.4995, 0.2555



16.1580, 0.5787, 0.3340



11.8987, 0.3218, 0.3182



8.9151, 0.5086, 0.2575



0.5144, 0.4653, 0.2337

Inverse Universe

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



16.9153, 0.4544, 0.2496



23.1453, 0.4995, 0.2555



48.1808, 0.2273, 0.3209



11.8987, 0.3218, 0.3182



8.9151, 0.5086, 0.2575



0.5144, 0.4653, 0.2337

Previews

White Background



This preview shows how the Yxy color 16.9144, 0.4544, 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 16.9144, 0.4544, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

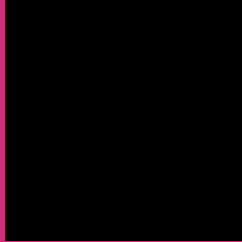
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9144, 0.4544, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 16.9144, 0.4544, 0.2496.



This preview shows how white text looks on a background with the Yxy color 16.9144, 0.4544, 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

16.9144, 0.4544, 0.2496

Protanopia

17.1432, 0.2452, 0.2368

Deuteranopia

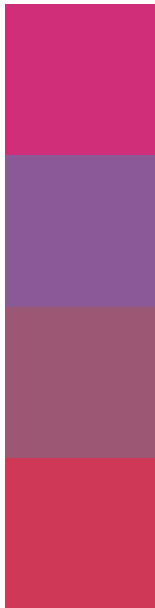
17.0194, 0.3292, 0.3233



Tritanopia

16.9487, 0.5423, 0.3268

Trichromacy



Original Color

16.9144, 0.4544, 0.2496

Protanomaly

14.8037, 0.3036, 0.2288

Deuteranomaly

15.1687, 0.3752, 0.2799

Tritanomaly

16.7656, 0.5137, 0.2988

Monochromacy



Original Color

16.9144, 0.4544, 0.2496

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.9112, 0.3673, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9144, 0.4544, 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(209, 46, 122)` looks like.

```
.text, #text, p{  
    color:rgb(209, 46, 122)  
}
```

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(209, 46, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 46, 122) }
```

Border

The CSS property to change the border of an element to Yxy 16.9144, 0.4544, 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(209, 46, 122) }
```

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

```
.border{ border-color:rgb(209, 46, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 46, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 46, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 46, 122);  
box-shadow:4px 4px 4px 4px rgb(209, 46,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9144, 0.4544, 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(209, 46, 122) }
```

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

```
.background{ background-color: rgb(209, 46,  
122) }
```

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