

Converting Colors

$Yxy(14.8163, 0.4617, 0.2511)$

Have a look what the booklet for
Yxy(14.8163, 0.4617, 0.2511)
contains.

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Color

Yxy(14.8520, 0.4611, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	C72871
RGB	199, 40, 113
RGB Percent	78%, 16%, 44%
CMY	0.2196, 0.8432, 0.5569
CMYK	0.00, 0.80, 0.43, 0.22
HSL	332°, 67%, 47%
HSV	332°, 80%, 78%
XYZ	27.2948, 14.8520, 17.0481
YIQ	95.8630, 71.3310, 56.4110

Conversions

Conversions Part 2

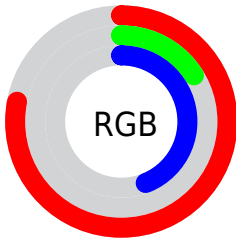
Format	Color
R_{YB}	199, 40, 113
Decimal	13052017
CIE _{Lab}	45.43, 65.09, -1.88
CIE _{LCh}	45, 65.115, 358.345
Yxy	14.8520, 0.4611, 0.2509
Android (android.graphics.Color)	4291242097 (0xFFC72871)
YUV	95.8630, 8.4485, 90.4511
Hunter-Lab	38.5383, 58.9807, 0.7488

Details

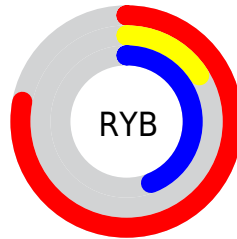
The Yxy color **14.8520, 0.4611, 0.2509** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **42.8103, 0.2651, 0.4527**, and the grayscale version is **11.6275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6771, 0.4201, 0.2676**, and **5.8706, 0.5045, 0.2553** is the 20% darker color. If you saturate the color by 10%, you get **13.6111, 0.4882, 0.2534**, and if you desaturate by 10%, it is **16.8133, 0.4341, 0.2535**.

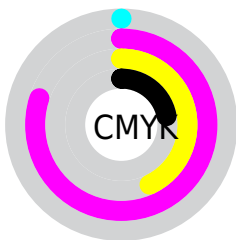
Distribution



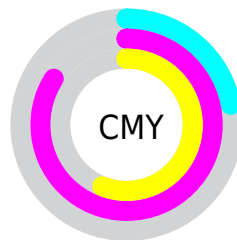
- Red (78%)
- Green (16%)
- Blue (44%)



- Red (78%)
- Yellow (16%)
- Blue (44%)



- Cyan (0%)
- Magenta (80%)
- Yellow (43%)
- Black (22%)




- Cyan (22%)
- Magenta (84%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8520, 0.4611, 0.2509 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 14.8520, 0.4611, 0.2509 by changing the saturation by 10% instead.


 14.8520, 0.4611,
0.2509


 14.8520, 0.4611,
0.2509


222.4687, 0.3744,
0.2962


 8.7156, 0.4879,
0.2371


 34.5933, 0.4260,
0.2691


 4.5561, 0.5259,
0.2178

 48.9670, 0.4140,
0.2754


 1.9893, 0.5830,
0.1890

 66.8553, 0.4042,
0.2805

 0.6012, 0.6815,
0.1380

 88.6425, 0.3962,
0.2847

 0.0000, 1.0000,
0.0000

 114.7130, 0.3894,
0.2882

 0.0000, 0.0000,
0.0000

 145.4513, 0.3836,

0.2913

181.2417, 0.3787,
0.2939

■ 14.8520, 0.4611,
0.2509

■ 14.8520, 0.4611,
0.2509

■ 13.6111, 0.4882,
0.2534

■ 16.8133, 0.4341,
0.2535

■ 12.9112, 0.5142,
0.2607

■ 19.5867, 0.4087,
0.2603

■ 12.9054, 0.5144,
0.2607

■ 23.2528, 0.3857,
0.2700

■ 27.8818, 0.3657,
0.2815

■ 33.5366, 0.3487,
0.2937

■ 40.2749, 0.3344,
0.3059

■ 48.1500, 0.3225,
0.3178

■ 57.2119, 0.3126,
0.3291

■ 67.5072, 0.3045,
0.3396

Harmonies

Analogous

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



14.8520, 0.3232, 0.1923



14.8520, 0.4611, 0.2509



14.8520, 0.5523, 0.3229

Triad

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



14.8520, 0.4611, 0.2509



14.8520, 0.3721, 0.5681



14.8520, 0.1147, 0.1826

Complementary

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



14.8520, 0.4611, 0.2509



42.8103, 0.2651, 0.4527

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.



14.8520, 0.1202, 0.2628



14.8520, 0.4611, 0.2509



14.8520, 0.2598, 0.5530

Square

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



14.8520, 0.4611, 0.2509



14.8520, 0.4775, 0.4918



14.8520, 0.1671, 0.4099



14.8520, 0.1429, 0.1535

Rectangle

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



14.8520, 0.4611, 0.2509



14.8520, 0.5608, 0.3747



14.8520, 0.1671, 0.4099



14.8520, 0.1126, 0.2024

Sweetspot

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



14.8528, 0.4611, 0.2509



65.0229, 0.3404, 0.3005



9.9861, 0.2309, 0.1183



13.0238, 0.3457, 0.2961



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.



14.8528, 0.4611, 0.2509



22.9009, 0.5076, 0.2589



14.1961, 0.5853, 0.3339



10.7166, 0.3219, 0.3184



8.3145, 0.5112, 0.2589



0.4083, 0.4614, 0.2315

Inverse Universe

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



14.8528, 0.4611, 0.2509



22.9009, 0.5076, 0.2589



43.0306, 0.2266, 0.3207



10.7166, 0.3219, 0.3184



8.3145, 0.5112, 0.2589



0.4083, 0.4614, 0.2315

Previews

White Background



This preview shows how the Yxy color 14.8520, 0.4611, 0.2509 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 14.8520, 0.4611, 0.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

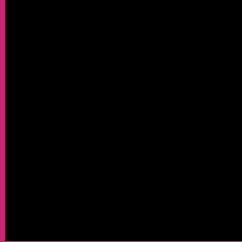
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8520, 0.4611, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 14.8520, 0.4611, 0.2509.



This preview shows how white text looks on a background with the Yxy color 14.8520, 0.4611, 0.2509.

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

14.8520, 0.4611, 0.2509

Protanopia

15.2282, 0.2469, 0.2394

Deuteranopia

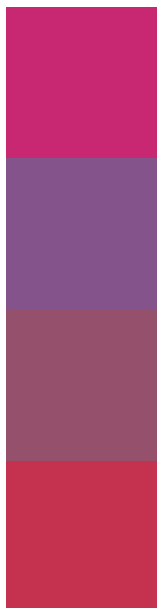
15.1161, 0.3341, 0.3291



Tritanopia

14.8799, 0.5483, 0.3267

Trichromacy



Original Color

14.8520, 0.4611, 0.2509

Protanomaly

12.9561, 0.3071, 0.2304

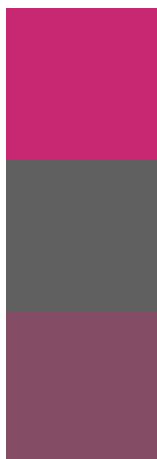
Deuteranomaly

13.3571, 0.3822, 0.2829

Tritanomaly

14.7160, 0.5201, 0.2992

Monochromacy



Original Color

14.8520, 0.4611, 0.2509

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.1147, 0.3690, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8520, 0.4611, 0.2509 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(199, 40, 113)` looks like.

```
.text, #text, p{  
    color:rgb(199, 40, 113)  
}
```

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(199, 40, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 40, 113) }
```

Border

The CSS property to change the border of an element to Yxy 14.8520, 0.4611, 0.2509 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(199, 40, 113) }
```

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

```
.border{ border-color:rgb(199, 40, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 40, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 40, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 40, 113);  
box-shadow:4px 4px 4px 4px rgb(199, 40,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8520, 0.4611, 0.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 40, 113) }
```

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

```
.background{ background-color: rgb(199, 40,  
113) }
```

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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