

Converting Colors

$Yxy(16.5465, 0.4298, 0.2453)$

Have a look what the booklet for
Yxy(16.5465, 0.4298, 0.2453)
contains.

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Color

Yxy(16.5702, 0.4293, 0.2446)

Conversions

Conversions Part 1

Format	Color
Hex	C83780
RGB	200, 55, 128
RGB Percent	78%, 22%, 50%
CMY	0.2157, 0.7843, 0.4980
CMYK	0.00, 0.72, 0.36, 0.22
HSL	330°, 57%, 50%
HSV	330°, 72%, 78%
XYZ	29.0825, 16.5702, 22.0913
YIQ	106.6770, 62.9870, 53.4430

Conversions

Conversions Part 2

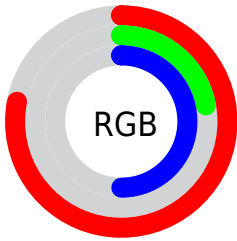
Format	Color
R_{YB}	200, 55, 128
Decimal	13121408
CIE Lab	47.71, 62.30, -7.67
CIE LCh	48, 62.768, 352.981
Yxy	16.5702, 0.4293, 0.2446
Android (android.graphics.Color)	4291311488 (0xFFC83780)
YUV	106.6770, 10.5122, 81.8443
Hunter-Lab	40.7065, 56.2919, -3.6820

Details

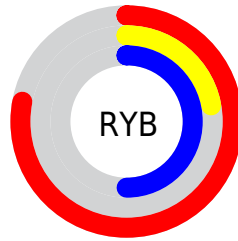
The Yxy color **16.5702, 0.4293, 0.2446** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **43.6533, 0.2691, 0.4508**, and the grayscale version is **14.5673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6308, 0.3969, 0.2615**, and **6.2272, 0.4666, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **14.7917, 0.4537, 0.2423**, and if you desaturate by 10%, it is **19.1456, 0.4060, 0.2514**.

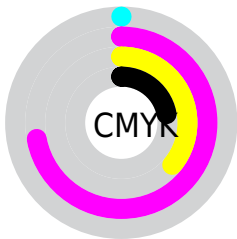
Distribution



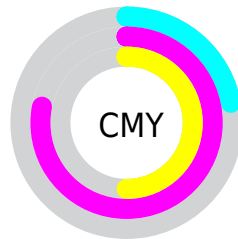
- Red (78%)
- Green (22%)
- Blue (50%)



- Red (78%)
- Yellow (22%)
- Blue (50%)



- Cyan (0%)
- Magenta (72%)
- Yellow (36%)
- Black (22%)




- Cyan (22%)
- Magenta (78%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5702, 0.4293, 0.2446 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 16.5702, 0.4293, 0.2446 by changing the saturation by 10% instead.


 16.5702, 0.4293,
0.2446


 16.5702, 0.4293,
0.2446


232.6832, 0.3628,
0.2915


 9.9285, 0.4492,
0.2312


 37.5853, 0.4029,
0.2629


 5.3516, 0.4769,
0.2130


 52.7275, 0.3936,
0.2693

 2.4550, 0.5180,
0.1869

 71.4721, 0.3861,
0.2747

 0.8540, 0.5840,
0.1473

 94.2033, 0.3799,
0.2791

 0.0000, 0.8392,
0.0000

 121.3057, 0.3746,
0.2829

 0.0000, 1.0000,
0.0000

153.1635, 0.3701,

 0.0000, 0.0000,

0.2862

0.0000

190.1612, 0.3662,
0.2890

■ 16.5702, 0.4293,
0.2446

■ 16.5702, 0.4293,
0.2446

■ 14.7917, 0.4537,
0.2423

■ 19.1456, 0.4060,
0.2514

■ 13.7072, 0.4779,
0.2453

■ 22.5988, 0.3847,
0.2615

■ 13.2132, 0.4956,
0.2504

■ 27.0039, 0.3659,
0.2737

■ 32.4260, 0.3497,
0.2868

■ 38.9246, 0.3359,
0.3003

■ 46.5547, 0.3244,
0.3134

■ 55.3672, 0.3148,
0.3260

■ 65.4102, 0.3069,
0.3378

■ 76.7288, 0.3004,
0.3487

Harmonies

Analogous

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



16.5702, 0.3013, 0.1918



16.5702, 0.4293, 0.2446



16.5702, 0.5274, 0.3129

Triad

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



16.5702, 0.4293, 0.2446



16.5702, 0.3915, 0.5453



16.5702, 0.1226, 0.2011

Complementary

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



16.5702, 0.4293, 0.2446



43.6533, 0.2691, 0.4508

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.



16.5702, 0.1352, 0.2890



16.5702, 0.4293, 0.2446



16.5702, 0.2843, 0.5474

Square

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



16.5702, 0.4293, 0.2446



16.5702, 0.4868, 0.4715



16.5702, 0.1897, 0.4319



16.5702, 0.1440, 0.1649

Rectangle

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



16.5702, 0.4293, 0.2446



16.5702, 0.5478, 0.3624



16.5702, 0.1897, 0.4319



16.5702, 0.1228, 0.2237

Sweetspot

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



16.5711, 0.4293, 0.2446



67.6150, 0.3357, 0.3005



11.2695, 0.2321, 0.1291



13.7669, 0.3392, 0.2968



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.



16.5711, 0.4293, 0.2446



24.3959, 0.4677, 0.2434



15.3119, 0.5546, 0.3274



10.7245, 0.3212, 0.3174



8.4195, 0.4925, 0.2487



0.4133, 0.4473, 0.2238

Inverse Universe

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



16.5711, 0.4293, 0.2446



24.3959, 0.4677, 0.2434



46.1792, 0.2330, 0.3324



10.7245, 0.3212, 0.3174



8.4195, 0.4925, 0.2487



0.4133, 0.4473, 0.2238

Previews

White Background



This preview shows how the Yxy color 16.5702, 0.4293, 0.2446 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 16.5702, 0.4293, 0.2446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

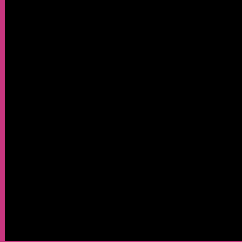
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5702, 0.4293, 0.2446

Background



This preview shows how black text looks on a background with the Yxy color 16.5702, 0.4293, 0.2446.



This preview shows how white text looks on a background with the Yxy color 16.5702, 0.4293, 0.2446.

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

16.5702, 0.4293, 0.2446

Protanopia

16.8283, 0.2406, 0.2314

Deuteranopia

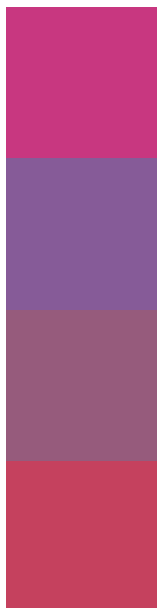
16.8869, 0.3149, 0.3099



Tritanopia

16.6105, 0.5125, 0.3250

Trichromacy



Original Color

16.5702, 0.4293, 0.2446

Protanomaly

14.8175, 0.2933, 0.2258

Deuteranomaly

15.4214, 0.3540, 0.2736

Tritanomaly

16.4591, 0.4832, 0.2953

Monochromacy



Original Color

16.5702, 0.4293, 0.2446

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

13.8800, 0.3555, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5702, 0.4293, 0.2446 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(200, 55, 128)` looks like.

```
.text, #text, p{  
    color:rgb(200, 55, 128)  
}
```

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(200, 55, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 55, 128) }
```

Border

The CSS property to change the border of an element to Yxy 16.5702, 0.4293, 0.2446 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(200, 55, 128) }
```

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

```
.border{ border-color:rgb(200, 55, 128) }
```

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

Here you see how a box with a 4 pixel rgb(200, 55, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 55, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 55, 128);  
box-shadow:4px 4px 4px 4px rgb(200, 55,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5702, 0.4293, 0.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 55, 128) }
```

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

```
.background{ background-color: rgb(200, 55,  
128) }
```

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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