

Converting Colors

$Y_{xy}(19.5950, 0.4036, 0.2630)$

Have a look what the booklet for
Yxy(19.5950, 0.4036, 0.2630)
contains.

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Color

Yxy(19.6435, 0.4045, 0.2635)

Conversions

Conversions Part 1

Format	Color
Hex	C45386
RGB	196, 83, 134
RGB Percent	77%, 33%, 53%
CMY	0.2315, 0.6744, 0.4746
CMYK	0.00, 0.58, 0.32, 0.23
HSL	333°, 49%, 55%
HSV	333°, 58%, 77%
XYZ	30.1548, 19.6435, 24.7501
YIQ	122.6010, 50.9770, 39.8170

Conversions

Conversions Part 2

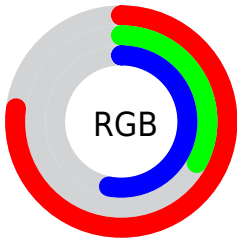
Format	Color
R _Y B	196, 83, 134
Decimal	12866438
CIE Lab	51.43, 50.36, -5.80
CIE LCh	51, 50.696, 353.434
Yxy	19.6435, 0.4045, 0.2635
Android (android.graphics.Color)	4291056518 (0xFFC45386)
YUV	122.6010, 5.6197, 64.3709
Hunter-Lab	44.3210, 43.8849, -2.0845

Details

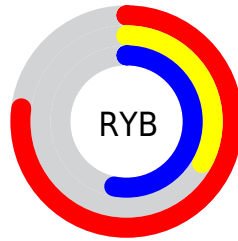
The Yxy color **19.6435, 0.4045, 0.2635** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **43.3527, 0.2695, 0.4112**, and the grayscale version is **19.6408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7392, 0.3840, 0.2775**, and **6.8678, 0.4422, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **16.7714, 0.4298, 0.2561**, and if you desaturate by 10%, it is **23.3956, 0.3819, 0.2735**.

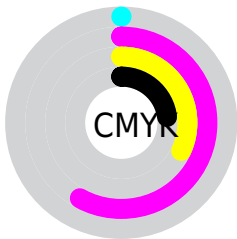
Distribution



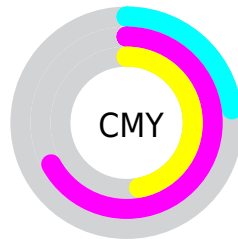
- Red (77%)
- Green (33%)
- Blue (53%)



- Red (77%)
- Yellow (33%)
- Blue (53%)



- Cyan (0%)
- Magenta (58%)
- Yellow (32%)
- Black (23%)




- Cyan (23%)
- Magenta (67%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6435, 0.4045, 0.2635 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 19.6435, 0.4045, 0.2635 by changing the saturation by 10% instead.


 19.6435, 0.4045,
0.2635


 19.6435, 0.4045,
0.2635


249.9786, 0.3529,
0.2996


 12.1362, 0.4196,
0.2533


 42.8187, 0.3842,
0.2775


 6.8365, 0.4405,
0.2394


 59.2553, 0.3771,
0.2824

 3.3600, 0.4712,
0.2195

 79.4372, 0.3712,
0.2865

 1.3225, 0.5203,
0.1888

 103.7486, 0.3664,
0.2900

 0.1585, 0.6712,
0.0708

 132.5741, 0.3622,
0.2929

 0.0000, 1.0000,
0.0000

166.2980, 0.3587,

 0.0000, 0.0000,

0.2954

0.0000

205.3047, 0.3556,
0.2976

■ 19.6435, 0.4045,
0.2635

■ 19.6435, 0.4045,
0.2635

■ 16.7714, 0.4298,
0.2561

■ 23.3956, 0.3819,
0.2735

■ 14.7018, 0.4570,
0.2526

■ 28.0905, 0.3622,
0.2850

■ 13.3489, 0.4847,
0.2540

■ 33.7887, 0.3456,
0.2971

■ 12.5874, 0.5113,
0.2606

■ 40.5445, 0.3317,
0.3091

■ 12.4433, 0.5175,
0.2625

■ 48.4087, 0.3201,
0.3206

■ 57.4284, 0.3106,
0.3315

■ 67.6483, 0.3028,
0.3417

■ 79.1105, 0.2963,
0.3510

■ 89.0097, 0.2908,
0.3550

Harmonies

Analogous

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



19.6435, 0.3072, 0.2181



19.6435, 0.4045, 0.2635



19.6435, 0.4788, 0.3227

Triad

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



19.6435, 0.4045, 0.2635



19.6435, 0.3828, 0.4997



19.6435, 0.1567, 0.2291

Complementary

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



19.6435, 0.4045, 0.2635



43.3527, 0.2695, 0.4112

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.



19.6435, 0.1695, 0.3010



19.6435, 0.4045, 0.2635



19.6435, 0.2954, 0.4888

Square

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



19.6435, 0.4045, 0.2635



19.6435, 0.4570, 0.4532



19.6435, 0.2173, 0.4047



19.6435, 0.1754, 0.1961

Rectangle

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



19.6435, 0.4045, 0.2635



19.6435, 0.4973, 0.3659



19.6435, 0.2173, 0.4047



19.6435, 0.1573, 0.2485

Sweetspot

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



19.6445, 0.4045, 0.2635



73.9533, 0.3312, 0.3095



16.0396, 0.2586, 0.1698



15.2569, 0.3338, 0.3071



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.



19.6445, 0.4045, 0.2635



29.3425, 0.4364, 0.2548



19.1409, 0.4838, 0.3342



10.1517, 0.3220, 0.3187



8.0148, 0.5142, 0.2606



0.3602, 0.4602, 0.2309

Inverse Universe

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



19.6445, 0.4045, 0.2635



29.3425, 0.4364, 0.2548



43.6151, 0.2403, 0.3232



10.1517, 0.3220, 0.3187



8.0148, 0.5142, 0.2606



0.3602, 0.4602, 0.2309

Previews

White Background



This preview shows how the Yxy color 19.6435, 0.4045, 0.2635 looks on a white background.

Color Contrast Check

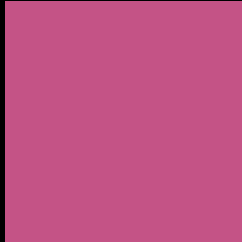
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6435, 0.4045, 0.2635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

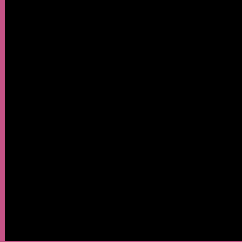
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6435, 0.4045, 0.2635

Background



This preview shows how black text looks on a background with the Yxy color 19.6435, 0.4045, 0.2635.



This preview shows how white text looks on a background with the Yxy color 19.6435, 0.4045, 0.2635.

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

19.6435, 0.4045, 0.2635

Protanopia

19.9330, 0.2651, 0.2638

Deuteranopia

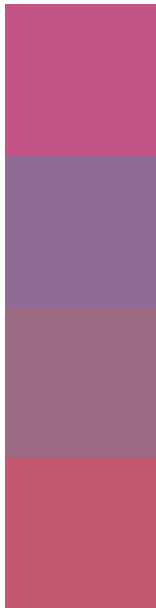
19.7387, 0.3197, 0.3129



Tritanopia

19.6827, 0.4556, 0.3215

Trichromacy



Original Color

19.6435, 0.4045, 0.2635

Protanomaly

18.7668, 0.3071, 0.2597

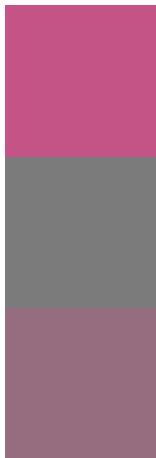
Deuteranomaly

18.9877, 0.3497, 0.2901

Tritanomaly

19.5746, 0.4382, 0.3004

Monochromacy



Original Color

19.6435, 0.4045, 0.2635

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.7415, 0.3452, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6435, 0.4045, 0.2635 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(196, 83, 134)` looks like.

```
.text, #text, p{  
    color:rgb(196, 83, 134)  
}
```

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(196, 83, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 83, 134) }
```

Border

The CSS property to change the border of an element to Yxy 19.6435, 0.4045, 0.2635 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(196, 83, 134) }
```

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

```
.border{ border-color:rgb(196, 83, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 83, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 83, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 83, 134);  
box-shadow:4px 4px 4px 4px rgb(196, 83,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6435, 0.4045, 0.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 83, 134) }
```

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

```
.background{ background-color: rgb(196, 83,  
134) }
```

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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