

Converting Colors

$Y_{xy}(20.1207, 0.3871, 0.2509)$

Have a look what the booklet for
Yxy(20.1207, 0.3871, 0.2509)
contains.

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Color

Yxy(20.1207, 0.3871, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	C45491
RGB	196, 84, 145
RGB Percent	77%, 33%, 57%
CMY	0.2314, 0.6705, 0.4314
CMYK	0.00, 0.57, 0.26, 0.23
HSL	327°, 49%, 55%
HSV	327°, 57%, 77%
XYZ	31.0431, 20.1207, 29.0303
YIQ	124.4420, 47.1710, 42.7150

Conversions

Conversions Part 2

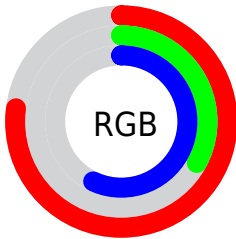
Format	Color
R_{YB}	196, 84, 145
Decimal	12866705
CIE _{Lab}	51.97, 51.34, -11.53
CIE _{LCh}	52, 52.623, 347.345
Yxy	20.1207, 0.3871, 0.2509
Android (android.graphics.Color)	4291056785 (0xFFC45491)
YUV	124.4420, 10.1351, 62.7564
Hunter-Lab	44.8561, 45.0346, -6.9724

Details

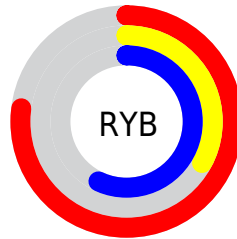
The Yxy color **20.1207, 0.3871, 0.2509** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **43.1105, 0.2759, 0.4282**, and the grayscale version is **20.2666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5605, 0.3710, 0.2665**, and **7.0991, 0.4133, 0.2239** is the 20% darker color. If you saturate the color by 10%, you get **17.2278, 0.4071, 0.2413**, and if you desaturate by 10%, it is **23.8883, 0.3691, 0.2632**.

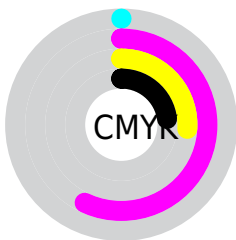
Distribution



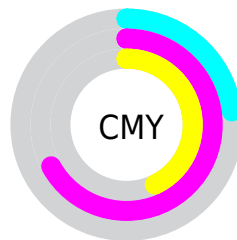
- Red (77%)
- Green (33%)
- Blue (57%)



- Red (77%)
- Yellow (33%)
- Blue (57%)



- Cyan (0%)
- Magenta (57%)
- Yellow (26%)
- Black (23%)




- Cyan (23%)
- Magenta (67%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1207, 0.3871, 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 20.1207, 0.3871, 0.2509 by changing the saturation by 10% instead.


 20.1207, 0.3871,
0.2509


 20.1207, 0.3871,
0.2509


252.5678, 0.3461,
0.2928


 12.4828, 0.3987,
0.2395


 43.6195, 0.3712,
0.2668


 7.0734, 0.4146,
0.2242


 60.2491, 0.3656,
0.2726


 3.5080, 0.4374,
0.2030


 80.6448, 0.3609,
0.2774

 1.4024, 0.4729,
0.1716

 105.1909, 0.3570,
0.2814

 0.2185, 0.5624,
0.0756

 134.2719, 0.3537,
0.2849

 0.0000, 1.0000,
0.0000

168.2721, 0.3508,

 0.0000, 0.0000,

0.2879

0.0000

207.5759, 0.3483,
0.2905

■ 20.1207, 0.3871,
0.2509

■ 20.1207, 0.3871,
0.2509

■ 17.2278, 0.4071,
0.2413

■ 23.8883, 0.3691,
0.2632

■ 15.1332, 0.4285,
0.2355

■ 28.5925, 0.3533,
0.2770

■ 13.7520, 0.4503,
0.2346

■ 34.2934, 0.3397,
0.2914

■ 12.9665, 0.4717,
0.2389

■ 41.0447, 0.3282,
0.3057

■ 12.7899, 0.4779,
0.2406

■ 48.8966, 0.3186,
0.3196

■ 57.8960, 0.3106,
0.3327

■ 68.0868, 0.3039,
0.3449

■ 79.5110, 0.2984,
0.3562

■ 88.7087, 0.2937,
0.3611

Harmonies

Analogous

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



20.1207, 0.2876, 0.2086



20.1207, 0.3871, 0.2509



20.1207, 0.4722, 0.3091

Triad

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



20.1207, 0.3871, 0.2509



20.1207, 0.4011, 0.4978



20.1207, 0.1531, 0.2377

Complementary

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



20.1207, 0.3871, 0.2509



43.1105, 0.2759, 0.4282

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.



20.1207, 0.1728, 0.3197



20.1207, 0.3871, 0.2509



20.1207, 0.3126, 0.5030

Square

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



20.1207, 0.3871, 0.2509



20.1207, 0.4721, 0.4424



20.1207, 0.2287, 0.4289



20.1207, 0.1658, 0.1968

Rectangle

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



20.1207, 0.3871, 0.2509



20.1207, 0.4998, 0.3524



20.1207, 0.2287, 0.4289



20.1207, 0.1558, 0.2603

Sweetspot

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



20.1217, 0.3871, 0.2509



74.1850, 0.3283, 0.3055



15.4302, 0.2491, 0.1669



15.3115, 0.3305, 0.3026



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.



20.1217, 0.3871, 0.2509



29.9487, 0.4133, 0.2391



18.8094, 0.4760, 0.3225



10.1676, 0.3206, 0.3165



8.2367, 0.4751, 0.2391



0.3697, 0.4317, 0.2152

Inverse Universe

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



20.1217, 0.3871, 0.2509



29.9487, 0.4133, 0.2391



45.0955, 0.2447, 0.3372



10.1676, 0.3206, 0.3165



8.2367, 0.4751, 0.2391



0.3697, 0.4317, 0.2152

Previews

White Background



This preview shows how the Yxy color 20.1207, 0.3871, 0.2509 looks on a white background.

Color Contrast Check

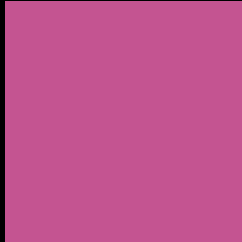
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1207, 0.3871, 0.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

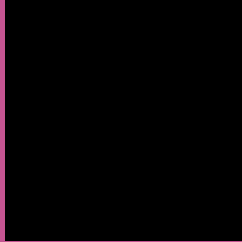
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1207, 0.3871, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 20.1207, 0.3871, 0.2509.



This preview shows how white text looks on a background with the Yxy color 20.1207, 0.3871, 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

20.1207, 0.3871, 0.2509

Protanopia

20.4595, 0.2516, 0.2456

Deuteranopia

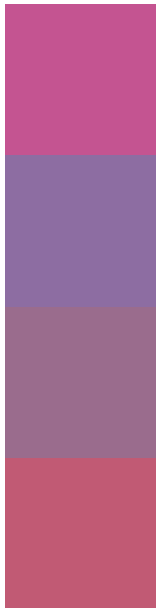
20.2847, 0.3034, 0.2973



Tritanopia

20.1320, 0.4477, 0.3214

Trichromacy



Original Color

20.1207, 0.3871, 0.2509

Protanomaly

19.2086, 0.2913, 0.2436

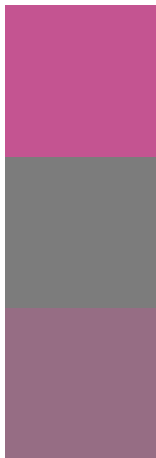
Deuteranomaly

19.5182, 0.3321, 0.2759

Tritanomaly

19.9107, 0.4263, 0.2947

Monochromacy



Original Color

20.1207, 0.3871, 0.2509

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.0873, 0.3384, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1207, 0.3871, 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(196, 84, 145)` looks like.

```
.text, #text, p{  
    color:rgb(196, 84, 145)  
}
```

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, 84, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 84, 145) }
```

Border

The CSS property to change the border of an element to Yxy 20.1207, 0.3871, 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(196, 84, 145) }
```

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

```
.border{ border-color:rgb(196, 84, 145) }
```

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

Here you see how a box with a 4 pixel rgb(196, 84, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 84, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 84, 145);  
box-shadow:4px 4px 4px 4px rgb(196, 84,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1207, 0.3871, 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(196, 84, 145) }
```

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

```
.background{ background-color: rgb(196, 84,  
145) }
```

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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