

Converting Colors

$Y_{xy}(21.0462, 0.3170, 0.1895)$

Have a look what the booklet for
Yxy(21.0462, 0.3170, 0.1895)
contains.

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Color

Yxy(21.0821, 0.3169, 0.1892)

Conversions

Conversions Part 1

Format	Color
Hex	C34EC5
RGB	195, 78, 197
RGB Percent	76%, 31%, 77%
CMY	0.2352, 0.6942, 0.2274
CMYK	0.01, 0.60, 0.00, 0.23
HSL	299°, 51%, 54%
HSV	299°, 60%, 77%
XYZ	35.3114, 21.0821, 55.0341
YIQ	126.5490, 31.5330, 61.8130

Conversions

Conversions Part 2

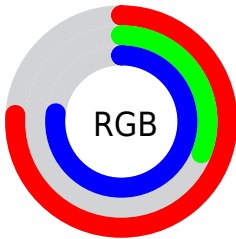
Format	Color
R_{YB}	195, 78, 197
Decimal	12799685
CIE Lab	53.04, 61.86, -40.28
CIE LCh	53, 73.818, 326.929
Yxy	21.0821, 0.3169, 0.1892
Android (android.graphics.Color)	4290989765 (0xFFC34EC5)
YUV	126.5490, 34.7323, 60.0315
Hunter-Lab	45.9152, 56.9248, -38.9244

Details

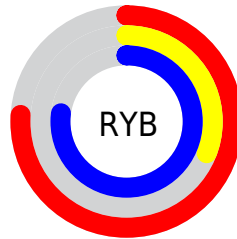
The Yxy color **21.0821, 0.3169, 0.1892** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **42.1891, 0.3047, 0.5216**, and the grayscale version is **20.9315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2768, 0.3181, 0.2141**, and **7.5601, 0.3123, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **18.6473, 0.3171, 0.1738**, and if you desaturate by 10%, it is **24.3571, 0.3165, 0.2083**.

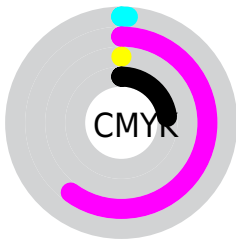
Distribution



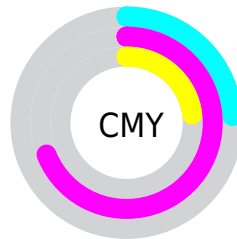
- Red (76%)
- Green (31%)
- Blue (77%)



- Red (76%)
- Yellow (31%)
- Blue (77%)



- Cyan (1%)
- Magenta (60%)
- Yellow (0%)
- Black (23%)





- Cyan (24%)
- Magenta (69%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0821, 0.3169, 0.1892 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 21.0821, 0.3169, 0.1892 by changing the saturation by 10% instead.


 21.0821, 0.3169,
0.1892


 21.0821, 0.3169,
0.1892


257.7145, 0.3179,
0.2581


 13.1840, 0.3155,
0.1728


 45.2241, 0.3181,
0.2137

 7.5554, 0.3131,
0.1525


 62.2369, 0.3183,
0.2231

 3.8118, 0.3086,
0.1269


 83.0566, 0.3183,
0.2311

 1.5688, 0.3000,
0.0946

 108.0678, 0.3183,
0.2380

 0.3365, 0.2862,
0.0425

 137.6548, 0.3183,
0.2440

 0.0000, 0.2468,
0.0000

172.2020, 0.3182,

 0.0000, 0.0000,

0.2493

0.0000

212.0937, 0.3180,
0.2540

■ 21.0821, 0.3169,
0.1892

■ 21.0821, 0.3169,
0.1892

■ 18.6473, 0.3171,
0.1738

■ 24.3571, 0.3165,
0.2083

■ 16.9724, 0.3172,
0.1625

■ 28.5374, 0.3159,
0.2302

■ 15.9666, 0.3170,
0.1554

■ 33.6850, 0.3152,
0.2540

■ 15.4629, 0.3167,
0.1519

■ 39.8554, 0.3144,
0.2788

■ 47.1002, 0.3136,
0.3037

■ 55.4674, 0.3128,
0.3280

■ 65.0021, 0.3119,
0.3513

■ 75.7468, 0.3111,
0.3731

■ 87.5543, 0.3103,
0.3930

Harmonies

Analogous

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



21.0821, 0.2049, 0.1566



21.0821, 0.3169, 0.1892



21.0821, 0.4562, 0.2471

Triad

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



21.0821, 0.3169, 0.1892



21.0821, 0.4826, 0.4881



21.0821, 0.1202, 0.2676

Complementary

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



21.0821, 0.3169, 0.1892



42.1891, 0.3047, 0.5216

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.



21.0821, 0.1694, 0.4187



21.0821, 0.3169, 0.1892



21.0821, 0.3773, 0.5675

Square

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



21.0821, 0.3169, 0.1892



21.0821, 0.5538, 0.3981



21.0821, 0.2643, 0.5594



21.0821, 0.1130, 0.1840

Rectangle

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



21.0821, 0.3169, 0.1892



21.0821, 0.5296, 0.2942



21.0821, 0.2643, 0.5594



21.0821, 0.1312, 0.3112

Sweetspot

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



21.0830, 0.3169, 0.1892



73.9849, 0.3143, 0.2841



11.6788, 0.1976, 0.1422



15.0690, 0.3145, 0.2767



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.



21.0830, 0.3169, 0.1892



32.4604, 0.3172, 0.1703



19.2552, 0.3956, 0.2490



10.8072, 0.3135, 0.3062



10.1740, 0.3168, 0.1519



0.4847, 0.3177, 0.1524

Inverse Universe

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



17.8972, 0.4972, 0.3272



26.3183, 0.5571, 0.3275



43.2621, 0.2740, 0.4329



10.6398, 0.3287, 0.3287



7.8136, 0.6380, 0.3288



0.3710, 0.6307, 0.3248

Previews

White Background



This preview shows how the Yxy color 21.0821, 0.3169, 0.1892 looks on a white background.

Color Contrast Check

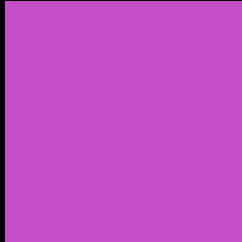
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0821, 0.3169, 0.1892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

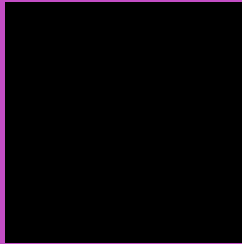
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0821, 0.3169, 0.1892

Background



This preview shows how black text looks on a background with the Yxy color 21.0821, 0.3169, 0.1892.



This preview shows how white text looks on a background with the Yxy color 21.0821, 0.3169, 0.1892.

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

21.0821, 0.3169, 0.1892

Protanopia

21.5217, 0.1898, 0.1645

Deuteranopia

21.3052, 0.2322, 0.2259



Tritanopia

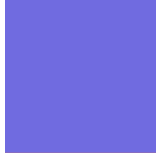
21.1406, 0.4181, 0.3194

Trichromacy



Original Color

21.0821, 0.3169, 0.1892



Protanomaly

19.3420, 0.2158, 0.1644



Deuteranomaly

19.8939, 0.2568, 0.2045



Tritanomaly

20.7772, 0.3797, 0.2641

Monochromacy



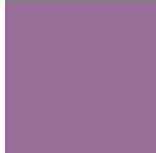
Original Color

21.0821, 0.3169, 0.1892



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

19.8797, 0.3159, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0821, 0.3169, 0.1892 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(195, 78, 197)` looks like.

```
.text, #text, p{  
    color:rgb(195, 78, 197)  
}
```

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(195, 78, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 78, 197) }
```

Border

The CSS property to change the border of an element to Yxy 21.0821, 0.3169, 0.1892 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(195, 78, 197) }
```

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

```
.border{ border-color:rgb(195, 78, 197) }
```

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

Here you see how a box with a 4 pixel rgb(195, 78, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 78, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 78, 197);  
box-shadow:4px 4px 4px 4px rgb(195, 78,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0821, 0.3169, 0.1892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 78, 197) }
```

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

```
.background{ background-color: rgb(195, 78,  
197) }
```

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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