

Converting Colors

$Y_{xy}(21.0747, 0.3181, 0.1889)$

Have a look what the booklet for
Yxy(21.0747, 0.3181, 0.1889)
contains.

Yxy(21.0747, 0.3181, 0.1889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.0747, 0.3181, 0.1889)

Conversions

Conversions Part 1

Format	Color
Hex	C44DC5
RGB	196, 77, 197
RGB Percent	77%, 30%, 77%
CMY	0.2315, 0.6979, 0.2276
CMYK	0.01, 0.61, 0.00, 0.23
HSL	300°, 51%, 54%
HSV	300°, 61%, 77%
XYZ	35.4889, 21.0747, 55.0017
YIQ	126.2610, 32.4040, 62.5480

Conversions

Conversions Part 2

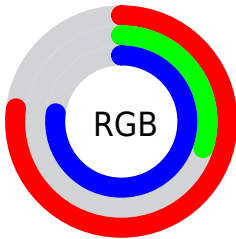
Format	Color
RYB	196, 77, 197
Decimal	12864965
CIELab	53.03, 62.50, -40.26
CIELCh	53, 74.343, 327.208
Yxy	21.0747, 0.3181, 0.1889
Android (android.graphics.Color)	4291055045 (0xFFC44DC5)
YUV	126.2610, 34.8743, 61.1611
Hunter-Lab	45.9072, 57.6534, -38.9007

Details

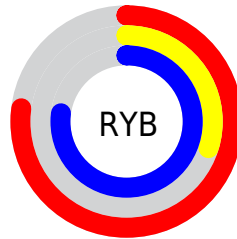
The Yxy color **21.0747, 0.3181, 0.1889** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **42.0759, 0.3041, 0.5234**, and the grayscale version is **20.8326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1908, 0.3190, 0.2135**, and **7.5590, 0.3141, 0.1517** is the 20% darker color. If you saturate the color by 10%, you get **18.7007, 0.3186, 0.1738**, and if you desaturate by 10%, it is **24.2851, 0.3175, 0.2077**.

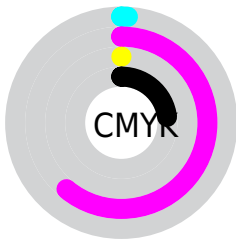
Distribution



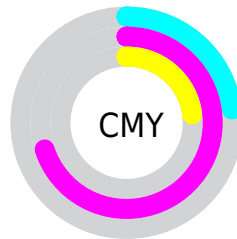
- Red (77%)
- Green (30%)
- Blue (77%)



- Red (77%)
- Yellow (30%)
- Blue (77%)



- Cyan (1%)
- Magenta (61%)
- Yellow (0%)
- Black (23%)




- Cyan (23%)
- Magenta (70%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0747, 0.3181, 0.1889 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 21.0747, 0.3181, 0.1889 by changing the saturation by 10% instead.


 21.0747, 0.3181,
0.1889


 21.0747, 0.3181,
0.1889


257.6752, 0.3185,
0.2579


 13.1786, 0.3169,
0.1725


 45.2118, 0.3190,
0.2135

 7.5517, 0.3147,
0.1522


 62.2217, 0.3191,
0.2229

 3.8094, 0.3105,
0.1266


 83.0382, 0.3191,
0.2309

 1.5675, 0.3023,
0.0943

 108.0458, 0.3191,
0.2378

 0.3356, 0.2890,
0.0423

 137.6289, 0.3189,
0.2438

 0.0000, 0.2506,
0.0000

172.1720, 0.3188,

 0.0000, 0.0000,

0.2491

0.0000

212.0592, 0.3186,
0.2538

■ 21.0747, 0.3181,
0.1889

■ 21.0747, 0.3181,
0.1889

■ 18.7007, 0.3186,
0.1738

■ 24.2851, 0.3175,
0.2077

■ 17.0823, 0.3188,
0.1629

■ 28.3972, 0.3167,
0.2293

■ 16.1277, 0.3189,
0.1562

■ 33.4733, 0.3158,
0.2530

■ 15.6768, 0.3189,
0.1530

■ 39.5692, 0.3148,
0.2777

■ 46.7366, 0.3138,
0.3025

■ 55.0236, 0.3128,
0.3269

■ 64.4754, 0.3118,
0.3502

■ 75.1348, 0.3109,
0.3721

■ 87.0422, 0.3100,
0.3925

Harmonies

Analogous

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



21.0747, 0.2050, 0.1559



21.0747, 0.3181, 0.1889



21.0747, 0.4584, 0.2472

Triad

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



21.0747, 0.3181, 0.1889



21.0747, 0.4823, 0.4893



21.0747, 0.1189, 0.2659

Complementary

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



21.0747, 0.3181, 0.1889



42.0759, 0.3041, 0.5234

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.



21.0747, 0.1678, 0.4177



21.0747, 0.3181, 0.1889



21.0747, 0.3761, 0.5694

Square

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



21.0747, 0.3181, 0.1889



21.0747, 0.5547, 0.3988



21.0747, 0.2626, 0.5605



21.0747, 0.1122, 0.1826

Rectangle

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



21.0747, 0.3181, 0.1889



21.0747, 0.5319, 0.2944



21.0747, 0.2626, 0.5605



21.0747, 0.1298, 0.3096

Sweetspot

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



21.0757, 0.3181, 0.1889



74.0580, 0.3145, 0.2842



11.2069, 0.1961, 0.1379



15.0872, 0.3148, 0.2768



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.



21.0757, 0.3181, 0.1889



32.4265, 0.3187, 0.1698



19.0437, 0.3998, 0.2510



10.8120, 0.3137, 0.3062



10.3170, 0.3189, 0.1530



0.4900, 0.3193, 0.1533

Inverse Universe

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



17.7301, 0.5010, 0.3284



25.9450, 0.5634, 0.3286



43.2473, 0.2727, 0.4304



10.6383, 0.3288, 0.3289



7.8106, 0.6391, 0.3294



0.3703, 0.6354, 0.3274

Previews

White Background



This preview shows how the Yxy color 21.0747, 0.3181, 0.1889 looks on a white background.

Color Contrast Check

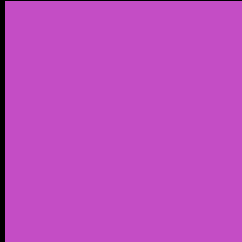
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0747, 0.3181, 0.1889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

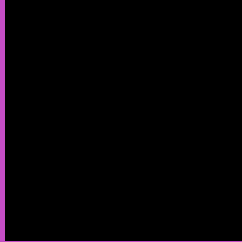
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0747, 0.3181, 0.1889

Background



This preview shows how black text looks on a background with the Yxy color 21.0747, 0.3181, 0.1889.

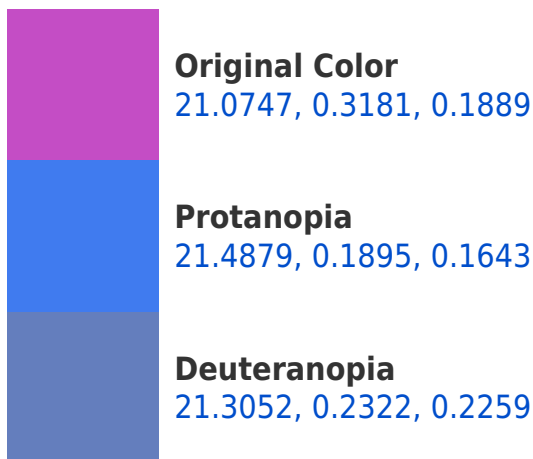


This preview shows how white text looks on a background with the Yxy color 21.0747, 0.3181, 0.1889.

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





Tritanopia

21.0460, 0.4214, 0.3195

Trichromacy



Original Color

21.0747, 0.3181, 0.1889



Protanomaly

19.1346, 0.2156, 0.1631



Deuteranomaly

19.6818, 0.2566, 0.2031



Tritanomaly

20.6989, 0.3827, 0.2644

Monochromacy



Original Color

21.0747, 0.3181, 0.1889



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.5714, 0.3147, 0.2589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0747, 0.3181, 0.1889 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, 77, 197)` looks like.

```
.text, #text, p{  
    color:rgb(196, 77, 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(196, 77, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 77, 197) }
```

Border

The CSS property to change the border of an element to Yxy 21.0747, 0.3181, 0.1889 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, 77, 197) }
```

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

```
.border{ border-color:rgb(196, 77, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 77, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 77, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 77, 197);  
box-shadow:4px 4px 4px 4px rgb(196, 77,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0747, 0.3181, 0.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 77, 197) }
```

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

```
.background{ background-color: rgb(196, 77,  
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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