

Converting Colors

$Y_{xy}(20.1529, 0.3142, 0.1865)$

Have a look what the booklet for
Yxy(20.1529, 0.3142, 0.1865)
contains.

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Color

Yxy(20.1854, 0.3145, 0.1872)

Conversions

Conversions Part 1

Format	Color
Hex	BF4CC3
RGB	191, 76, 195
RGB Percent	75%, 30%, 76%
CMY	0.2511, 0.7018, 0.2353
CMYK	0.02, 0.61, 0.00, 0.24
HSL	298°, 50%, 53%
HSV	298°, 61%, 76%
XYZ	33.9119, 20.1854, 53.7307
YIQ	123.9510, 30.3410, 61.3890

Conversions

Conversions Part 2

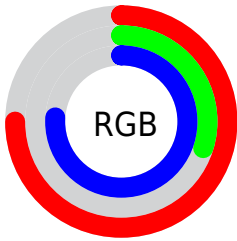
Format	Color
RYB	191, 76, 195
Decimal	12537027
CIELab	52.05, 61.33, -40.73
CIELCh	52, 73.617, 326.413
Yxy	20.1854, 0.3145, 0.1872
Android (android.graphics.Color)	4290727107 (0xFFBF4CC3)
YUV	123.9510, 35.0272, 58.8020
Hunter-Lab	44.9282, 56.1080, -39.4566

Details

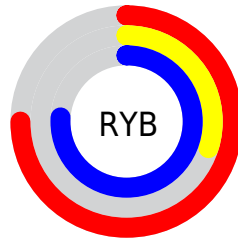
The Yxy color **20.1854, 0.3145, 0.1872** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **41.2556, 0.3058, 0.5227**, and the grayscale version is **20.0175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8548, 0.3164, 0.2127**, and **7.1000, 0.3088, 0.1492** is the 20% darker color. If you saturate the color by 10%, you get **17.8073, 0.3142, 0.1716**, and if you desaturate by 10%, it is **23.3798, 0.3146, 0.2064**.

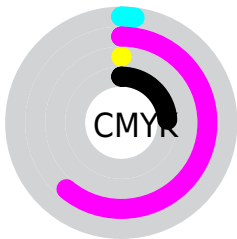
Distribution



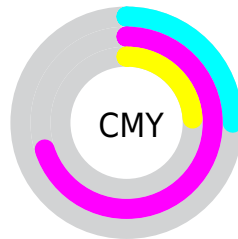
- Red (75%)
- Green (30%)
- Blue (76%)



- Red (75%)
- Yellow (30%)
- Blue (76%)



- Cyan (2%)
- Magenta (61%)
- Yellow (0%)
- Black (24%)




- Cyan (25%)
- Magenta (70%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1854, 0.3145, 0.1872 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 20.1854, 0.3145, 0.1872 by changing the saturation by 10% instead.


 20.1854, 0.3145,
0.1872


 20.1854, 0.3145,
0.1872


252.9170, 0.3169,
0.2574


 12.5299, 0.3127,
0.1704


 43.7278, 0.3162,
0.2123


 7.1056, 0.3097,
0.1496


 60.3835, 0.3166,
0.2218


 3.5282, 0.3043,
0.1234


 80.8080, 0.3168,
0.2300

 1.4133, 0.2942,
0.0904

 105.3858, 0.3169,
0.2370

 0.2265, 0.2797,
0.0309

 134.5011, 0.3170,
0.2431

 0.0000, 0.2296,
0.0000

168.5385, 0.3170,

 0.0000, 0.0000,

0.2485

0.0000

207.8824, 0.3169,
0.2532

■ 20.1854, 0.3145,
0.1872

■ 20.1854, 0.3145,
0.1872

■ 17.8073, 0.3142,
0.1716

■ 23.3798, 0.3146,
0.2064

■ 16.1668, 0.3138,
0.1602

■ 27.4545, 0.3145,
0.2284

■ 15.1741, 0.3131,
0.1531

■ 32.4702, 0.3142,
0.2524

■ 14.6801, 0.3125,
0.1495

■ 38.4814, 0.3138,
0.2773

■ 45.5386, 0.3133,
0.3022

■ 53.6887, 0.3128,
0.3266

■ 62.9759, 0.3122,
0.3499

■ 73.4419, 0.3116,
0.3718

■ 85.1263, 0.3109,
0.3920

Harmonies

Analogous

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



20.1854, 0.2023, 0.1549



20.1854, 0.3145, 0.1872



20.1854, 0.4555, 0.2451

Triad

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



20.1854, 0.3145, 0.1872



20.1854, 0.4852, 0.4871



20.1854, 0.1190, 0.2687

Complementary

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



20.1854, 0.3145, 0.1872



41.2556, 0.3058, 0.5227

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.



20.1854, 0.1692, 0.4227



20.1854, 0.3145, 0.1872



20.1854, 0.3791, 0.5689

Square

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



20.1854, 0.3145, 0.1872



20.1854, 0.5566, 0.3965



20.1854, 0.2652, 0.5639



20.1854, 0.1113, 0.1834

Rectangle

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



20.1854, 0.3145, 0.1872



20.1854, 0.5306, 0.2922



20.1854, 0.2652, 0.5639



20.1854, 0.1303, 0.3132

Sweetspot

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



20.1863, 0.3145, 0.1872



72.1797, 0.3137, 0.2841



11.5118, 0.1972, 0.1432



15.0322, 0.3138, 0.2766



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.



20.1863, 0.3145, 0.1872



30.8418, 0.3141, 0.1676



18.7128, 0.3935, 0.2460



10.2296, 0.3132, 0.3063



9.5504, 0.3126, 0.1496



0.4182, 0.3145, 0.1506

Inverse Universe

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



17.3561, 0.4965, 0.3247



25.4332, 0.5578, 0.3251



42.1631, 0.2750, 0.4375



10.0833, 0.3284, 0.3283



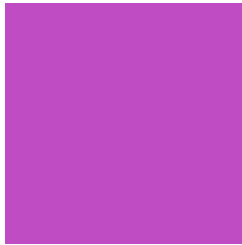
7.5527, 0.6359, 0.3276



0.3283, 0.6205, 0.3192

Previews

White Background



This preview shows how the Yxy color 20.1854, 0.3145, 0.1872 looks on a white background.

Color Contrast Check

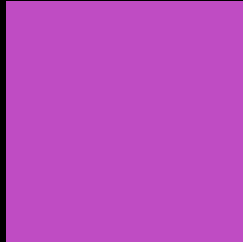
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1854, 0.3145, 0.1872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

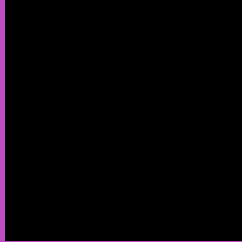
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1854, 0.3145, 0.1872

Background



This preview shows how black text looks on a background with the Yxy color 20.1854, 0.3145, 0.1872.



This preview shows how white text looks on a background with the Yxy color 20.1854, 0.3145, 0.1872.

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

20.1854, 0.3145, 0.1872

Protanopia

20.7230, 0.1886, 0.1635

Deuteranopia

20.4900, 0.2299, 0.2243



Tritanopia

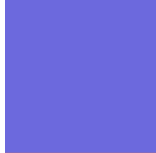
20.0934, 0.4159, 0.3191

Trichromacy



Original Color

20.1854, 0.3145, 0.1872



Protanomaly

18.5118, 0.2140, 0.1631



Deuteranomaly

19.0584, 0.2541, 0.2025



Tritanomaly

19.7381, 0.3767, 0.2625

Monochromacy



Original Color

20.1854, 0.3145, 0.1872



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.0133, 0.3134, 0.2594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1854, 0.3145, 0.1872 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(191, 76, 195)` looks like.

```
.text, #text, p{  
    color:rgb(191, 76, 195)  
}
```

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(191, 76, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 76, 195) }
```

Border

The CSS property to change the border of an element to Yxy 20.1854, 0.3145, 0.1872 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(191, 76, 195) }
```

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

```
.border{ border-color:rgb(191, 76, 195) }
```

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

Here you see how a box with a 4 pixel rgb(191, 76, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 76, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 76, 195);  
box-shadow:4px 4px 4px 4px rgb(191, 76,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1854, 0.3145, 0.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 76, 195) }
```

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

```
.background{ background-color: rgb(191, 76,  
195) }
```

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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