

Converting Colors

$Y_{xy}(20.5327, 0.3158, 0.1861)$

Have a look what the booklet for
Yxy(20.5327, 0.3158, 0.1861)
contains.

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Color

Yxy(20.5327, 0.3158, 0.1861)

Conversions

Conversions Part 1

Format	Color
Hex	C24BC5
RGB	194, 75, 197
RGB Percent	76%, 29%, 77%
CMY	0.2392, 0.7059, 0.2274
CMYK	0.02, 0.62, 0.00, 0.23
HSL	299°, 51%, 53%
HSV	299°, 62%, 77%
XYZ	34.8427, 20.5327, 54.9561
YIQ	124.4890, 31.7620, 63.1700

Conversions

Conversions Part 2

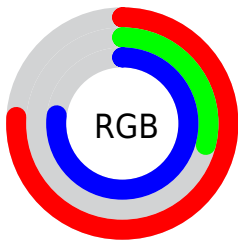
Format	Color
RYB	194, 75, 197
Decimal	12733381
CIELab	52.43, 62.87, -41.25
CIELCh	52, 75.193, 326.731
Yxy	20.5327, 0.3158, 0.1861
Android (android.graphics.Color)	4290923461 (0xFFC24BC5)
YUV	124.4890, 35.7479, 60.9611
Hunter-Lab	45.3130, 57.9568, -40.1885

Details

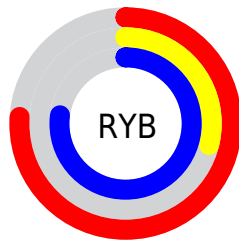
The Yxy color **20.5327, 0.3158, 0.1861** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **42.0657, 0.3050, 0.5262**, and the grayscale version is **20.1989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2710, 0.3174, 0.2112**, and **7.3015, 0.3107, 0.1485** is the 20% darker color. If you saturate the color by 10%, you get **18.1979, 0.3158, 0.1711**, and if you desaturate by 10%, it is **23.6968, 0.3156, 0.2048**.

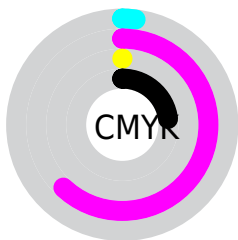
Distribution



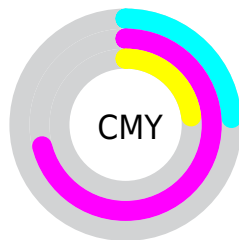
- Red (76%)
- Green (29%)
- Blue (77%)



- Red (76%)
- Yellow (29%)
- Blue (77%)



- Cyan (2%)
- Magenta (62%)
- Yellow (0%)
- Black (23%)





- Cyan (24%)
- Magenta (71%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5327, 0.3158, 0.1861 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 20.5327, 0.3158, 0.1861 by changing the saturation by 10% instead.


 20.5327, 0.3158,
0.1861


 20.5327, 0.3158,
0.1861


254.7845, 0.3176,
0.2565

 12.7829, 0.3142,
0.1694


 44.3085, 0.3173,
0.2112

 7.2792, 0.3114,
0.1487


 61.1033, 0.3176,
0.2207


 3.6373, 0.3063,
0.1228


 81.6818, 0.3177,
0.2289

 1.4728, 0.2968,
0.0902

 106.4284, 0.3178,
0.2360

 0.2695, 0.2824,
0.0347

 135.7276, 0.3178,
0.2421

 0.0000, 0.2381,
0.0000

169.9638, 0.3177,

 0.0000, 0.0000,

0.2475

0.0000

209.5213, 0.3176,
0.2523

■ 20.5327, 0.3158,
0.1861

■ 20.5327, 0.3158,
0.1861

■ 18.1979, 0.3158,
0.1711

■ 23.6968, 0.3156,
0.2048

■ 16.6104, 0.3155,
0.1603

■ 27.7565, 0.3153,
0.2265

■ 15.6764, 0.3152,
0.1537

■ 32.7748, 0.3148,
0.2502

■ 15.2574, 0.3147,
0.1508

■ 38.8080, 0.3142,
0.2750

■ 45.9082, 0.3136,
0.2999

■ 54.1239, 0.3129,
0.3244

■ 63.5006, 0.3121,
0.3478

■ 74.0812, 0.3114,
0.3699

■ 85.9066, 0.3107,
0.3903

Harmonies

Analogous

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



20.5327, 0.2018, 0.1533



20.5327, 0.3158, 0.1861



20.5327, 0.4590, 0.2446

Triad

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



20.5327, 0.3158, 0.1861



20.5327, 0.4854, 0.4890



20.5327, 0.1165, 0.2662

Complementary

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



20.5327, 0.3158, 0.1861



42.0657, 0.3050, 0.5262

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.



20.5327, 0.1663, 0.4223



20.5327, 0.3158, 0.1861



20.5327, 0.3776, 0.5725

Square

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



20.5327, 0.3158, 0.1861



20.5327, 0.5589, 0.3971



20.5327, 0.2627, 0.5673



20.5327, 0.1095, 0.1810

Rectangle

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



20.5327, 0.3158, 0.1861



20.5327, 0.5347, 0.2921



20.5327, 0.2627, 0.5673



20.5327, 0.1277, 0.3110

Sweetspot

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



20.5336, 0.3158, 0.1861



72.6618, 0.3141, 0.2815



11.1300, 0.1947, 0.1373



14.8084, 0.3143, 0.2743



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.



20.5336, 0.3158, 0.1861



31.5388, 0.3157, 0.1672



18.8001, 0.3987, 0.2475



10.8028, 0.3134, 0.3062



10.0400, 0.3148, 0.1508



0.4797, 0.3162, 0.1515

Inverse Universe

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



17.4548, 0.5028, 0.3260



25.6460, 0.5645, 0.3265



43.0976, 0.2735, 0.4361



10.6411, 0.3286, 0.3285



7.8165, 0.6370, 0.3283



0.3716, 0.6264, 0.3224

Previews

White Background



This preview shows how the Yxy color 20.5327, 0.3158, 0.1861 looks on a white background.

Color Contrast Check

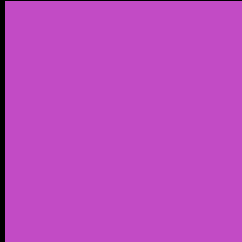
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5327, 0.3158, 0.1861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

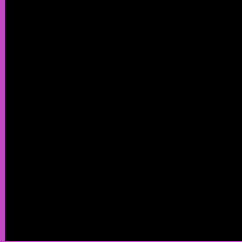
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5327, 0.3158, 0.1861

Background



This preview shows how black text looks on a background with the Yxy color 20.5327, 0.3158, 0.1861.



This preview shows how white text looks on a background with the Yxy color 20.5327, 0.3158, 0.1861.

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

20.5327, 0.3158, 0.1861

Protanopia

21.1099, 0.1868, 0.1614

Deuteranopia

20.8282, 0.2290, 0.2235



Tritanopia

20.4574, 0.4197, 0.3193

Trichromacy



Original Color

20.5327, 0.3158, 0.1861



Protanomaly

18.6108, 0.2118, 0.1604



Deuteranomaly

19.2267, 0.2535, 0.2007



Tritanomaly

20.1125, 0.3806, 0.2635

Monochromacy



Original Color

20.5327, 0.3158, 0.1861



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

18.9320, 0.3136, 0.2566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5327, 0.3158, 0.1861 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(194, 75, 197)` looks like.

```
.text, #text, p{  
    color:rgb(194, 75, 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(194, 75, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 75, 197) }
```

Border

The CSS property to change the border of an element to Yxy 20.5327, 0.3158, 0.1861 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(194, 75, 197) }
```

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

```
.border{ border-color:rgb(194, 75, 197) }
```

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

Here you see how a box with a 4 pixel rgb(194, 75, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 75, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 75, 197);  
box-shadow:4px 4px 4px 4px rgb(194, 75,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5327, 0.3158, 0.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 75, 197) }
```

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

```
.background{ background-color: rgb(194, 75,  
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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