

Converting Colors

$Y_{xy}(20.1777, 0.3357, 0.1999)$

Have a look what the booklet for
Yxy(20.1777, 0.3357, 0.1999)
contains.

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Color

Yxy(20.1868, 0.3352, 0.2000)

Conversions

Conversions Part 1

Format	Color
Hex	C44BB7
RGB	196, 75, 183
RGB Percent	77%, 29%, 72%
CMY	0.2313, 0.7060, 0.2823
CMYK	0.00, 0.62, 0.07, 0.23
HSL	306°, 51%, 53%
HSV	306°, 62%, 77%
XYZ	33.8331, 20.1868, 46.9141
YIQ	123.4910, 37.4480, 59.2400

Conversions

Conversions Part 2

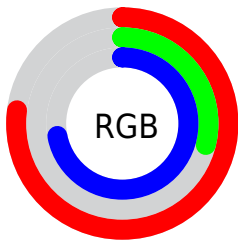
Format	Color
RYB	196, 75, 183
Decimal	12864439
CIELab	52.05, 61.04, -33.73
CIElCh	52, 69.746, 331.074
Yxy	20.1868, 0.3352, 0.2000
Android (android.graphics.Color)	4291054519 (0xFFC44BB7)
YUV	123.4910, 29.3379, 63.5904
Hunter-Lab	44.9297, 55.7874, -30.4578

Details

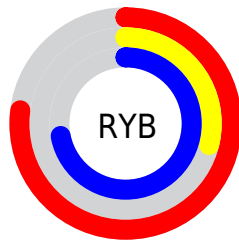
The Yxy color **20.1868, 0.3352, 0.2000** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **41.6909, 0.2973, 0.5079**, and the grayscale version is **19.8683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7246, 0.3324, 0.2238**, and **7.1224, 0.3374, 0.1636** is the 20% darker color. If you saturate the color by 10%, you get **17.8395, 0.3394, 0.1864**, and if you desaturate by 10%, it is **23.3563, 0.3310, 0.2172**.

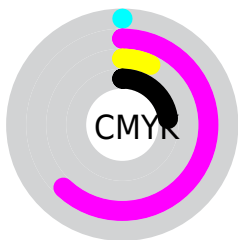
Distribution



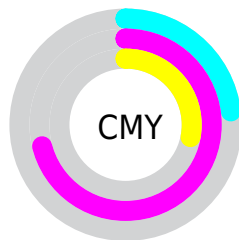
- Red (77%)
- Green (29%)
- Blue (72%)



- Red (77%)
- Yellow (29%)
- Blue (72%)



- Cyan (0%)
- Magenta (62%)
- Yellow (7%)
- Black (23%)




- Cyan (23%)
- Magenta (71%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1868, 0.3352, 0.2000 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 20.1868, 0.3352, 0.2000 by changing the saturation by 10% instead.


 20.1868, 0.3352,
0.2000


 20.1868, 0.3352,
0.2000


252.9246, 0.3257,
0.2649


 12.5309, 0.3368,
0.1841


 43.7301, 0.3323,
0.2235


 7.1063, 0.3384,
0.1640


 60.3864, 0.3310,
0.2323


 3.5287, 0.3394,
0.1382


 80.8115, 0.3299,
0.2398

 1.4136, 0.3386,
0.1045

 105.3900, 0.3289,
0.2463

 0.2267, 0.3406,
0.0379

 134.5061, 0.3280,
0.2519

 0.0000, 0.3079,
0.0000

168.5443, 0.3271,

 0.0000, 0.0000,

0.2568

0.0000

207.8890, 0.3264,
0.2611

■ 20.1868, 0.3352,
0.2000

■ 20.1868, 0.3352,
0.2000

■ 17.8395, 0.3394,
0.1864

■ 23.3563, 0.3310,
0.2172

■ 16.2333, 0.3434,
0.1769

■ 27.4131, 0.3269,
0.2370

■ 15.2763, 0.3472,
0.1719

■ 32.4194, 0.3230,
0.2586

■ 14.8317, 0.3501,
0.1703

■ 38.4308, 0.3194,
0.2810

■ 45.4986, 0.3161,
0.3034

■ 53.6707, 0.3132,
0.3253

■ 62.9920, 0.3106,
0.3461

■ 73.5048, 0.3084,
0.3657

■ 85.2495, 0.3065,
0.3839

Harmonies

Analogous

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



20.1868, 0.2210, 0.1643



20.1868, 0.3352, 0.2000



20.1868, 0.4675, 0.2594

Triad

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



20.1868, 0.3352, 0.2000



20.1868, 0.4665, 0.4974



20.1868, 0.1228, 0.2557

Complementary

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



20.1868, 0.3352, 0.2000



41.6909, 0.2973, 0.5079

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.



20.1868, 0.1653, 0.3927



20.1868, 0.3352, 0.2000



20.1868, 0.3624, 0.5648

Square

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



20.1868, 0.3352, 0.2000



20.1868, 0.5405, 0.4102



20.1868, 0.2530, 0.5360



20.1868, 0.1201, 0.1823

Rectangle

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



20.1868, 0.3352, 0.2000



20.1868, 0.5314, 0.3065



20.1868, 0.2530, 0.5360



20.1868, 0.1319, 0.2946

Sweetspot

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



20.1877, 0.3352, 0.2000



72.5567, 0.3185, 0.2865



11.0466, 0.2028, 0.1364



14.7826, 0.3195, 0.2800



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.



20.1877, 0.3352, 0.2000



31.1723, 0.3408, 0.1827



18.2088, 0.4251, 0.2679



10.2282, 0.3154, 0.3087



9.5350, 0.3497, 0.1700



0.4174, 0.3425, 0.1660

Inverse Universe

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



20.1877, 0.3352, 0.2000



31.1723, 0.3408, 0.1827



43.1120, 0.2643, 0.4076



10.2282, 0.3154, 0.3087



9.5350, 0.3497, 0.1700



0.4174, 0.3425, 0.1660

Previews

White Background



This preview shows how the Yxy color 20.1868, 0.3352, 0.2000 looks on a white background.

Color Contrast Check

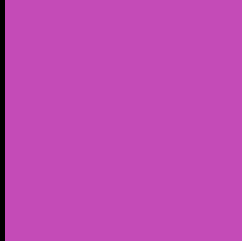
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1868, 0.3352, 0.2000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

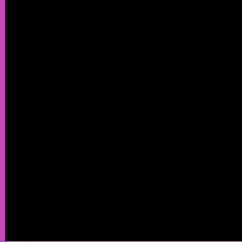
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1868, 0.3352, 0.2000

Background



This preview shows how black text looks on a background with the Yxy color 20.1868, 0.3352, 0.2000.



This preview shows how white text looks on a background with the Yxy color 20.1868, 0.3352, 0.2000.

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

20.1868, 0.3352, 0.2000

Protanopia

20.5390, 0.1991, 0.1767

Deuteranopia

20.3869, 0.2467, 0.2408



Tritanopia

20.1137, 0.4333, 0.3197

Trichromacy



Original Color

20.1868, 0.3352, 0.2000



Protanomaly

18.4478, 0.2305, 0.1765



Deuteranomaly

19.0114, 0.2728, 0.2176



Tritanomaly

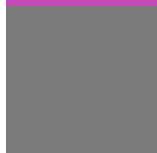
19.7854, 0.3962, 0.2699

Monochromacy



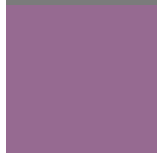
Original Color

20.1868, 0.3352, 0.2000



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.8364, 0.3222, 0.2657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1868, 0.3352, 0.2000 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, 75, 183)` looks like.

```
.text, #text, p{  
    color:rgb(196, 75, 183)  
}
```

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, 75, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 75, 183) }
```

Border

The CSS property to change the border of an element to Yxy 20.1868, 0.3352, 0.2000 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, 75, 183) }
```

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

```
.border{ border-color:rgb(196, 75, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 75, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 75, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 75, 183);  
box-shadow:4px 4px 4px 4px rgb(196, 75,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1868, 0.3352, 0.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 75, 183) }
```

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

```
.background{ background-color: rgb(196, 75,  
183) }
```

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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