

Converting Colors

$Y_{xy}(18.8181, 0.3465, 0.2275)$

Have a look what the booklet for
Yxy(18.8181, 0.3465, 0.2275)
contains.

Yxy(18.8588, 0.3456, 0.2275)	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(18.8588, 0.3456, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	B555A0
RGB	181, 85, 160
RGB Percent	71%, 33%, 63%
CMY	0.2902, 0.6666, 0.3725
CMYK	0.00, 0.53, 0.12, 0.29
HSL	313°, 39%, 52%
HSV	313°, 53%, 71%
XYZ	28.6488, 18.8588, 35.3882
YIQ	122.2540, 33.1410, 43.6770

Conversions

Conversions Part 2

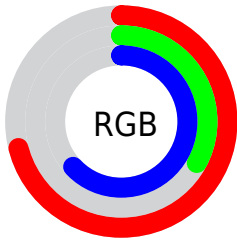
Format	Color
R_{YB}	181, 85, 160
Decimal	11883936
CIE _{Lab}	50.52, 48.51, -22.82
CIE _{LCh}	51, 53.609, 334.811
Yxy	18.8588, 0.3456, 0.2275
Android (android.graphics.Color)	4290074016 (0xFFB555A0)
YUV	122.2540, 18.6088, 51.5202
Hunter-Lab	43.4267, 41.7605, -17.9164

Details

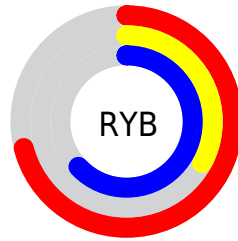
The Yxy color **18.8588, 0.3456, 0.2275** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.0182, 0.2922, 0.4602**, and the grayscale version is **19.4803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4340, 0.3397, 0.2471**, and **6.4983, 0.3563, 0.1962** is the 20% darker color. If you saturate the color by 10%, you get **16.2285, 0.3539, 0.2122**, and if you desaturate by 10%, it is **22.2241, 0.3378, 0.2453**.

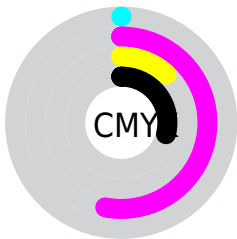
Distribution



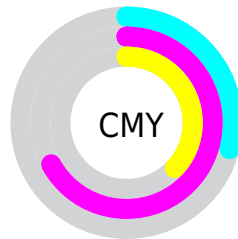
- Red (71%)
- Green (33%)
- Blue (63%)



- Red (71%)
- Yellow (33%)
- Blue (63%)



- Cyan (0%)
- Magenta (53%)
- Yellow (12%)
- Black (29%)




- Cyan (29%)
- Magenta (67%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8588, 0.3456, 0.2275 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 18.8588, 0.3456, 0.2275 by changing the saturation by 10% instead.


 18.8588, 0.3456,
0.2275


 18.8588, 0.3456,
0.2275


245.6681, 0.3289,
0.2809


 11.5683, 0.3498,
0.2134


 41.4954, 0.3395,
0.2475


 6.4504, 0.3550,
0.1950


 57.6102, 0.3372,
0.2548

 3.1209, 0.3618,
0.1700


 77.4353, 0.3353,
0.2610

 1.1952, 0.3705,
0.1349

 101.3550, 0.3336,
0.2662

 0.0577, 0.4077,
0.0180

 129.7538, 0.3322,
0.2706

 0.0000, 0.2923,
0.0000

163.0160, 0.3309,

 0.0000, 0.0000,

0.2745

0.0000

201.5259, 0.3298,
0.2779

■ 18.8588, 0.3456,
0.2275

■ 18.8588, 0.3456,
0.2275

■ 16.2285, 0.3539,
0.2122

■ 22.2241, 0.3378,
0.2453

■ 14.2737, 0.3625,
0.2004

■ 26.3726, 0.3307,
0.2645

■ 12.9302, 0.3711,
0.1928

■ 31.3514, 0.3244,
0.2844

■ 12.1199, 0.3795,
0.1897

■ 37.2032, 0.3188,
0.3041

■ 11.7584, 0.3852,
0.1896

■ 43.9676, 0.3140,
0.3234

■ 51.6820, 0.3099,
0.3416

■ 60.3815, 0.3064,
0.3588

■ 70.0996, 0.3035,
0.3747

■ 80.8680, 0.3010,
0.3893

Harmonies

Analogous

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



18.8588, 0.2491, 0.1933



18.8588, 0.3456, 0.2275



18.8588, 0.4467, 0.2815

Triad

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



18.8588, 0.3456, 0.2275



18.8588, 0.4374, 0.4825



18.8588, 0.1521, 0.2638

Complementary

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



18.8588, 0.3456, 0.2275



36.0182, 0.2922, 0.4602

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.



18.8588, 0.1873, 0.3658



18.8588, 0.3456, 0.2275



18.8588, 0.3506, 0.5175

Square

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



18.8588, 0.3456, 0.2275



18.8588, 0.4972, 0.4158



18.8588, 0.2590, 0.4751



18.8588, 0.1519, 0.2050

Rectangle

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



18.8588, 0.3456, 0.2275



18.8588, 0.4928, 0.3240



18.8588, 0.2590, 0.4751



18.8588, 0.1597, 0.2935

Sweetspot

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



18.8597, 0.3456, 0.2275



63.0682, 0.3206, 0.2978



12.8867, 0.2314, 0.1703



13.1688, 0.3217, 0.2938



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.8597, 0.3456, 0.2275



28.2588, 0.3556, 0.2095



17.4960, 0.4195, 0.2908



8.6143, 0.3170, 0.3114



8.1171, 0.3843, 0.1891



0.2633, 0.3634, 0.1776

Inverse Universe

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



18.8597, 0.3456, 0.2275



28.2588, 0.3556, 0.2095



37.3039, 0.2616, 0.3742



8.6143, 0.3170, 0.3114



8.1171, 0.3843, 0.1891



0.2633, 0.3634, 0.1776

Previews

White Background



This preview shows how the Yxy color 18.8588, 0.3456, 0.2275 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 18.8588, 0.3456, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

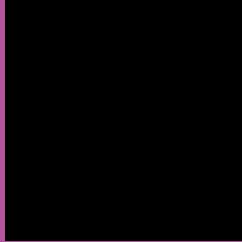
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8588, 0.3456, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 18.8588, 0.3456, 0.2275.



This preview shows how white text looks on a background with the Yxy color 18.8588, 0.3456, 0.2275.

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

18.8588, 0.3456, 0.2275

Protanopia

19.2256, 0.2289, 0.2170

Deuteranopia

19.1716, 0.2711, 0.2666



Tritanopia

18.8692, 0.4157, 0.3189

Trichromacy



Original Color

18.8588, 0.3456, 0.2275

Protanomaly

18.2017, 0.2610, 0.2164

Deuteranomaly

18.4047, 0.2954, 0.2482

Tritanomaly

18.6565, 0.3898, 0.2825

Monochromacy



Original Color

18.8588, 0.3456, 0.2275

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.5545, 0.3240, 0.2831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8588, 0.3456, 0.2275 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(181, 85, 160)` looks like.

```
.text, #text, p{  
    color:rgb(181, 85, 160)  
}
```

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(181, 85, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 85, 160) }
```

Border

The CSS property to change the border of an element to Yxy 18.8588, 0.3456, 0.2275 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(181, 85, 160) }
```

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

```
.border{ border-color:rgb(181, 85, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 85, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 85, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 85, 160);  
box-shadow:4px 4px 4px 4px rgb(181, 85,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8588, 0.3456, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 85, 160) }
```

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

```
.background{ background-color: rgb(181, 85,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor