

Converting Colors

$Y_{xy}(23.3359, 0.2759, 0.1765)$

Have a look what the booklet for
Yxy(23.3359, 0.2759, 0.1765)
contains.

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Color

Yxy(23.3359, 0.2759, 0.1765)

Conversions

Conversions Part 1

Format	Color
Hex	B55FDF
RGB	181, 95, 223
RGB Percent	71%, 37%, 87%
CMY	0.2900, 0.6276, 0.1254
CMYK	0.19, 0.57, 0.00, 0.13
HSL	280°, 67%, 62%
HSV	280°, 57%, 87%
XYZ	36.4780, 23.3359, 72.4008
YIQ	135.3060, 10.1680, 58.0400

Conversions

Conversions Part 2

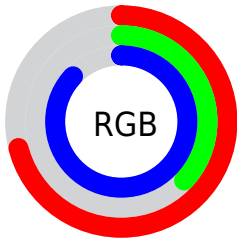
Format	Color
R _Y B	181, 95, 223
Decimal	11886559
CIE Lab	55.42, 55.53, -51.43
CIE LCh	55, 75.688, 317.192
Yxy	23.3359, 0.2759, 0.1765
Android (android.graphics.Color)	4290076639 (0xFFB55FDF)
YUV	135.3060, 43.2331, 40.0736
Hunter-Lab	48.3072, 50.2523, -55.0462

Details

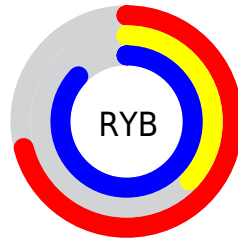
The Yxy color **23.3359, 0.2759, 0.1765** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **58.9180, 0.3289, 0.5001**, and the grayscale version is **24.1801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0656, 0.3041, 0.2223**, and **8.7359, 0.2602, 0.1401** is the 20% darker color. If you saturate the color by 10%, you get **19.0192, 0.2671, 0.1536**, and if you desaturate by 10%, it is **28.8503, 0.2842, 0.2023**.

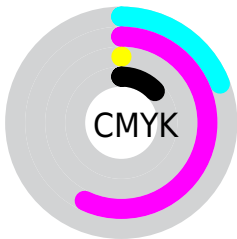
Distribution



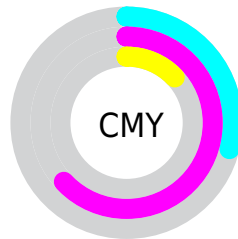
- Red (71%)
- Green (37%)
- Blue (87%)



- Red (71%)
- Yellow (37%)
- Blue (87%)



- Cyan (19%)
- Magenta (57%)
- Yellow (0%)
- Black (13%)





- Cyan (29%)
- Magenta (63%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3359, 0.2759, 0.1765 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 23.3359, 0.2759, 0.1765 by changing the saturation by 10% instead.


 23.3359, 0.2759,
0.1765


 23.3359, 0.2759,
0.1765


269.4456, 0.2986,
0.2495


 14.8417, 0.2691,
0.1599

 48.9443, 0.2851,
0.2019


 8.7084, 0.2598,
0.1398


 66.8273, 0.2882,
0.2118

 4.5515, 0.2466,
0.1151


 88.6087, 0.2908,
0.2204

 1.9866, 0.2271,
0.0852

 114.6729, 0.2929,
0.2277

 0.5997, 0.1974,
0.0482

145.4043, 0.2947,
0.2342

 0.0000, 0.1514,
0.0000

181.1873, 0.2962,

 0.0000, 0.0000,

0.2399

0.0000

222.4062, 0.2975,
0.2450

■ 23.3359, 0.2759,
0.1765

■ 23.3359, 0.2759,
0.1765

■ 19.0192, 0.2671,
0.1536

■ 28.8503, 0.2842,
0.2023

■ 15.7955, 0.2581,
0.1346

■ 35.6496, 0.2918,
0.2296

■ 13.5465, 0.2493,
0.1203

■ 43.8156, 0.2986,
0.2574

■ 12.1122, 0.2409,
0.1109

■ 53.4227, 0.3045,
0.2846

■ 11.8068, 0.2388,
0.1089

■ 64.5398, 0.3095,
0.3107

■ 77.2312, 0.3137,
0.3351

■ 91.5575, 0.3172,
0.3577

■ 95.2882, 0.3216,
0.3611

■ 96.5895, 0.3262,
0.3606

Harmonies

Analogous

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



23.3359, 0.1797, 0.1532



23.3359, 0.2759, 0.1765



23.3359, 0.4108, 0.2268

Triad

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



23.3359, 0.2759, 0.1765



23.3359, 0.5102, 0.4578



23.3359, 0.1321, 0.3103

Complementary

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



23.3359, 0.2759, 0.1765



58.9180, 0.3289, 0.5001

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.



23.3359, 0.1971, 0.4719



23.3359, 0.2759, 0.1765



23.3359, 0.4132, 0.5451

Square

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



23.3359, 0.2759, 0.1765



23.3359, 0.5614, 0.3716



23.3359, 0.3011, 0.5753



23.3359, 0.1127, 0.2051

Rectangle

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



23.3359, 0.2759, 0.1765



23.3359, 0.4964, 0.2713



23.3359, 0.3011, 0.5753



23.3359, 0.1483, 0.3609

Sweetspot

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



23.3368, 0.2759, 0.1765



72.7971, 0.3047, 0.2854



25.8349, 0.2144, 0.2046



14.9803, 0.3036, 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.



23.3368, 0.2759, 0.1765



24.7368, 0.2652, 0.1492



28.1163, 0.3421, 0.2130



13.6989, 0.3086, 0.3055



7.0052, 0.2400, 0.1096



0.5335, 0.2527, 0.1166

Inverse Universe

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



25.6714, 0.4278, 0.2814



28.6567, 0.4679, 0.2763



56.4801, 0.2943, 0.4849



13.7742, 0.3241, 0.3213



9.5262, 0.5653, 0.2888



0.6764, 0.5217, 0.2648

Previews

White Background



This preview shows how the Yxy color 23.3359, 0.2759, 0.1765 looks on a white background.

Color Contrast Check

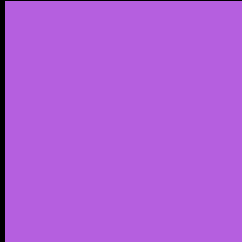
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3359, 0.2759, 0.1765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

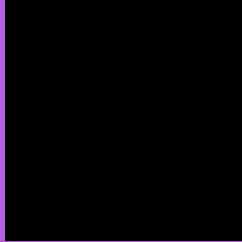
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3359, 0.2759, 0.1765

Background



This preview shows how black text looks on a background with the Yxy color 23.3359, 0.2759, 0.1765.



This preview shows how white text looks on a background with the Yxy color 23.3359, 0.2759, 0.1765.

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

23.3359, 0.2759, 0.1765

Protanopia

23.9126, 0.1861, 0.1600

Deuteranopia

23.5719, 0.2096, 0.2029



Tritanopia

23.2334, 0.3611, 0.3152

Trichromacy



Original Color

23.3359, 0.2759, 0.1765



Protanomaly

22.1969, 0.2053, 0.1607



Deuteranomaly

22.2301, 0.2266, 0.1866



Tritanomaly

22.7839, 0.3271, 0.2543

Monochromacy



Original Color

23.3359, 0.2759, 0.1765



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.8984, 0.2989, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3359, 0.2759, 0.1765 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, 95, 223)` looks like.

```
.text, #text, p{  
  color:rgb(181, 95, 223)  
}
```

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, 95, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 95, 223) }
```

Border

The CSS property to change the border of an element to Yxy 23.3359, 0.2759, 0.1765 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, 95, 223) }
```

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

```
.border{ border-color:rgb(181, 95, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 95, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 95, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 95, 223);  
box-shadow:4px 4px 4px 4px rgb(181, 95,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3359, 0.2759, 0.1765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 95, 223) }
```

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

```
.background{ background-color: rgb(181, 95,  
223) }
```

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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