

Converting Colors

$Y_{xy}(23.1042, 0.2764, 0.1766)$

Have a look what the booklet for
Yxy(23.1042, 0.2764, 0.1766)
contains.

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Color

Yxy(23.1031, 0.2767, 0.1764)

Conversions

Conversions Part 1

Format	Color
Hex	B55EDE
RGB	181, 94, 222
RGB Percent	71%, 37%, 87%
CMY	0.2902, 0.6313, 0.1296
CMYK	0.18, 0.58, 0.00, 0.13
HSL	281°, 66%, 62%
HSV	281°, 58%, 87%
XYZ	36.2394, 23.1031, 71.6275
YIQ	134.6050, 10.7640, 58.2520

Conversions

Conversions Part 2

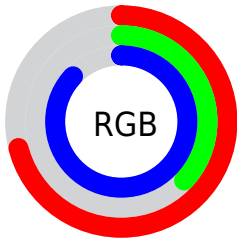
Format	Color
R _Y B	181, 94, 222
Decimal	11886302
CIE Lab	55.18, 55.76, -51.22
CIE LCh	55, 75.715, 317.430
Yxy	23.1031, 0.2767, 0.1764
Android (android.graphics.Color)	4290076382 (0xFFB55EDE)
YUV	134.6050, 43.0857, 40.6884
Hunter-Lab	48.0657, 50.4661, -54.7080

Details

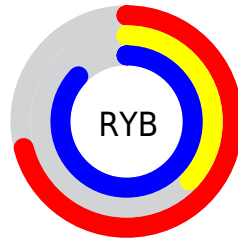
The Yxy color **23.1031, 0.2767, 0.1764** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **58.1777, 0.3283, 0.5011**, and the grayscale version is **23.9115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7505, 0.3041, 0.2213**, and **8.6307, 0.2612, 0.1401** is the 20% darker color. If you saturate the color by 10%, you get **18.8702, 0.2681, 0.1537**, and if you desaturate by 10%, it is **28.5164, 0.2848, 0.2020**.

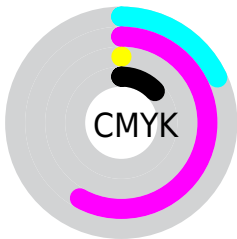
Distribution



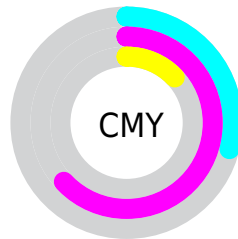
- Red (71%)
- Green (37%)
- Blue (87%)



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



- Cyan (18%)
- Magenta (58%)
- Yellow (0%)
- Black (13%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1031, 0.2767, 0.1764 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 23.1031, 0.2767, 0.1764 by changing the saturation by 10% instead.


 23.1031, 0.2767,
0.1764

 23.1031, 0.2767,
0.1764


268.2541, 0.2990,
0.2496


 14.6697, 0.2700,
0.1597


 48.5626, 0.2857,
0.2019


 8.5879, 0.2607,
0.1395


 66.3574, 0.2889,
0.2118

 4.4734, 0.2476,
0.1148


 88.0414, 0.2914,
0.2204

 1.9417, 0.2281,
0.0847

 113.9991, 0.2935,
0.2278

 0.5733, 0.1985,
0.0471

144.6148, 0.2952,
0.2342

 0.0000, 0.1519,
0.0000

180.2730, 0.2967,

 0.0000, 0.0000,

0.2400

0.0000

221.3579, 0.2979,
0.2450

■ 23.1031, 0.2767,
0.1764

■ 23.1031, 0.2767,
0.1764

■ 18.8702, 0.2681,
0.1537

■ 28.5164, 0.2848,
0.2020

■ 15.7139, 0.2594,
0.1350

■ 35.1963, 0.2923,
0.2292

■ 13.5169, 0.2507,
0.1210

■ 43.2239, 0.2989,
0.2568

■ 12.1172, 0.2425,
0.1117

■ 52.6729, 0.3046,
0.2841

■ 11.8424, 0.2406,
0.1099

■ 63.6114, 0.3095,
0.3101

■ 76.1030, 0.3136,
0.3346

■ 90.2078, 0.3170,
0.3572

■ 94.9418, 0.3211,
0.3623

■ 96.1950, 0.3257,
0.3618

Harmonies

Analogous

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



23.1031, 0.1799, 0.1528



23.1031, 0.2767, 0.1764



23.1031, 0.4123, 0.2270

Triad

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



23.1031, 0.2767, 0.1764



23.1031, 0.5100, 0.4586



23.1031, 0.1313, 0.3091

Complementary

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



23.1031, 0.2767, 0.1764



58.1777, 0.3283, 0.5011

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.



23.1031, 0.1959, 0.4712



23.1031, 0.2767, 0.1764



23.1031, 0.4124, 0.5462

Square

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



23.1031, 0.2767, 0.1764



23.1031, 0.5621, 0.3721



23.1031, 0.2999, 0.5760



23.1031, 0.1122, 0.2041

Rectangle

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



23.1031, 0.2767, 0.1764



23.1031, 0.4979, 0.2716



23.1031, 0.2999, 0.5760



23.1031, 0.1473, 0.3597

Sweetspot

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



23.1040, 0.2767, 0.1764



72.8547, 0.3049, 0.2854



25.4479, 0.2140, 0.2040



14.9940, 0.3038, 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.



23.1040, 0.2767, 0.1764



24.9172, 0.2665, 0.1498



27.7311, 0.3422, 0.2127



13.7042, 0.3087, 0.3055



7.0991, 0.2417, 0.1105



0.5395, 0.2542, 0.1174

Inverse Universe

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



25.2797, 0.4299, 0.2824



28.6190, 0.4699, 0.2776



55.8470, 0.2943, 0.4856



13.7725, 0.3242, 0.3215



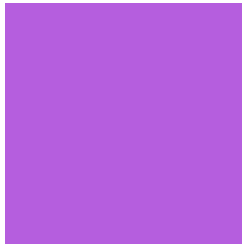
9.5130, 0.5681, 0.2903



0.6753, 0.5243, 0.2662

Previews

White Background



This preview shows how the Yxy color 23.1031, 0.2767, 0.1764 looks on a white background.

Color Contrast Check

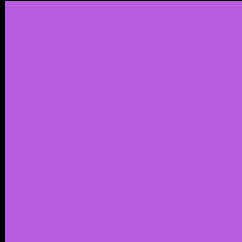
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1031, 0.2767, 0.1764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

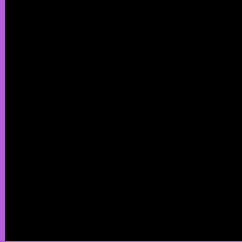
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1031, 0.2767, 0.1764

Background



This preview shows how black text looks on a background with the Yxy color 23.1031, 0.2767, 0.1764.



This preview shows how white text looks on a background with the Yxy color 23.1031, 0.2767, 0.1764.

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

23.1031, 0.2767, 0.1764

Protanopia

23.5881, 0.1852, 0.1584

Deuteranopia

23.5204, 0.2101, 0.2040



Tritanopia

22.9677, 0.3627, 0.3152

Trichromacy



Original Color

23.1031, 0.2767, 0.1764



Protanomaly

21.8454, 0.2039, 0.1590



Deuteranomaly

22.1775, 0.2272, 0.1876



Tritanomaly

22.5312, 0.3284, 0.2542

Monochromacy



Original Color

23.1031, 0.2767, 0.1764



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 23.1031, 0.2767, 0.1764 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, 94, 222)` looks like.

```
.text, #text, p{  
    color:rgb(181, 94, 222)  
}
```

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, 94, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 94, 222) }
```

Border

The CSS property to change the border of an element to Yxy 23.1031, 0.2767, 0.1764 is called "border". The border property can be set on classes, ids or directly on the HTML element.

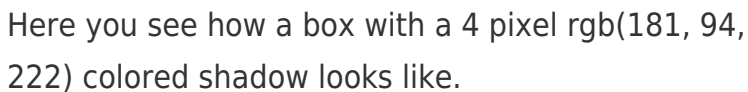
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 94, 222) }
```

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

```
.border{ border-color:rgb(181, 94, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 94, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 94, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 94, 222); box-shadow:4px 4px 4px 4px rgb(181, 94, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1031, 0.2767, 0.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 94, 222) }
```

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

```
.background{ background-color: rgb(181, 94,  
222) }
```

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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