

Converting Colors

$Y_{xy}(23.8427, 0.2629, 0.1559)$

Have a look what the booklet for
Yxy(23.8427, 0.2629, 0.1559)
contains.

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Color

Yxy(23.8481, 0.2626, 0.1560)

Conversions

Conversions Part 1

Format	Color
Hex	BA57F5
RGB	186, 87, 245
RGB Percent	73%, 34%, 96%
CMY	0.2705, 0.6589, 0.0392
CMYK	0.24, 0.64, 0.00, 0.04
HSL	278°, 89%, 65%
HSV	278°, 64%, 96%
XYZ	40.1443, 23.8481, 88.8800
YIQ	134.6130, 8.2860, 70.1260

Conversions

Conversions Part 2

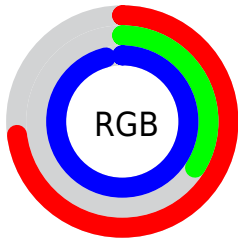
Format	Color
R _Y B	186, 87, 245
Decimal	12212213
CIE Lab	55.94, 65.08, -62.89
CIE LCh	56, 90.499, 315.980
Yxy	23.8481, 0.2626, 0.1560
Android (android.graphics.Color)	4290402293 (0xFFBA57F5)
YUV	134.6130, 54.4208, 45.0664
Hunter-Lab	48.8345, 61.2751, -73.7251

Details

The Yxy color **23.8481, 0.2626, 0.1560** 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 **72.1059, 0.3330, 0.5194**, and the grayscale version is **23.8701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1588, 0.3101, 0.2178**, and **9.0039, 0.2426, 0.1189** is the 20% darker color. If you saturate the color by 10%, you get **19.4241, 0.2524, 0.1349**, and if you desaturate by 10%, it is **29.6927, 0.2726, 0.1808**.

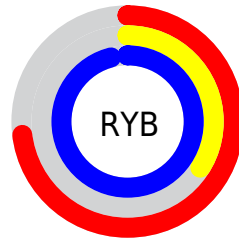
Distribution



Red (73%)

Green (34%)

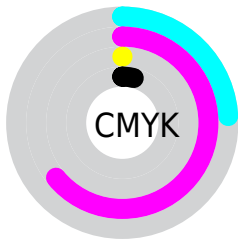
Blue (96%)



Red (73%)

Yellow (34%)

Blue (96%)

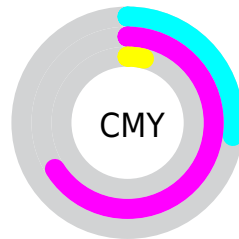


Cyan (24%)

Magenta (64%)

Yellow (0%)

Black (4%)



Cyan (27%)


Magenta (66%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8481, 0.2626, 0.1560 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 23.8481, 0.2626, 0.1560 by changing the saturation by 10% instead.


 23.8481, 0.2626,
0.1560


 23.8481, 0.2626,
0.1560


272.0516, 0.2926,
0.2356


 15.2210, 0.2541,
0.1390


 49.7822, 0.2744,
0.1829

 8.9746, 0.2429,
0.1188


 67.8580, 0.2785,
0.1936

 4.7246, 0.2275,
0.0952


 89.8521, 0.2820,
0.2030

 2.0866, 0.2060,
0.0678

 116.1490, 0.2848,
0.2111

 0.6571, 0.1752,
0.0372

147.1329, 0.2872,
0.2183

 0.0000, 0.1319,
0.0000

183.1885, 0.2893,

 0.0000, 0.0268,

0.2247

0.0000

224.6999, 0.2910,
0.2305

0.0000, 0.0000,
0.0000

23.8481, 0.2626,
0.1560

23.8481, 0.2626,
0.1560

19.4241, 0.2524,
0.1349

29.6927, 0.2726,
0.1808

16.2739, 0.2423,
0.1185

37.0792, 0.2820,
0.2080

14.2224, 0.2327,
0.1073

46.1186, 0.2906,
0.2363

13.4198, 0.2277,
0.1028

56.9108, 0.2983,
0.2646

69.5478, 0.3049,
0.2920

84.1146, 0.3105,
0.3179

98.4446, 0.3154,
0.3387

99.3731, 0.3185,
0.3386

Harmonies

Analogous

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



23.8481, 0.1585, 0.1322



23.8481, 0.2626, 0.1560



23.8481, 0.4199, 0.2091

Triad

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



23.8481, 0.2626, 0.1560



23.8481, 0.5322, 0.4562



23.8481, 0.1092, 0.3087

Complementary

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



23.8481, 0.2626, 0.1560



72.1059, 0.3330, 0.5194

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.



23.8481, 0.1788, 0.5108



23.8481, 0.2626, 0.1560



23.8481, 0.4184, 0.5660

Square

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



23.8481, 0.2626, 0.1560



23.8481, 0.5969, 0.3609



23.8481, 0.2932, 0.6253



23.8481, 0.0902, 0.1872

Rectangle

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



23.8481, 0.2626, 0.1560



23.8481, 0.5234, 0.2564



23.8481, 0.2932, 0.6253



23.8481, 0.1260, 0.3709

Sweetspot

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



23.8490, 0.2626, 0.1560



69.6179, 0.3020, 0.2798



29.6605, 0.2047, 0.1963



14.0646, 0.3001, 0.2719



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.



23.8490, 0.2626, 0.1560



20.2220, 0.2496, 0.1300



31.7502, 0.3383, 0.1957



16.4413, 0.3078, 0.3052



7.3105, 0.2291, 0.1036



0.7010, 0.2405, 0.1099

Inverse Universe

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



28.3020, 0.4415, 0.2702



26.0163, 0.4824, 0.2673



68.3641, 0.2963, 0.5174



16.5848, 0.3235, 0.3202



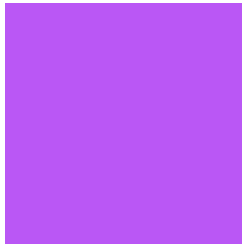
10.8936, 0.5487, 0.2797



0.9767, 0.5146, 0.2609

Previews

White Background



This preview shows how the Yxy color 23.8481, 0.2626, 0.1560 looks on a white background.

Color Contrast Check

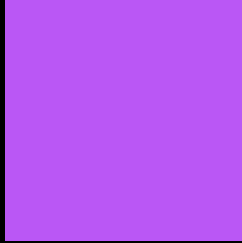
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8481, 0.2626, 0.1560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

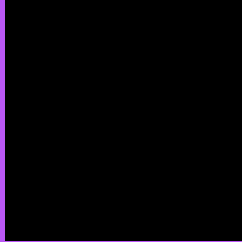
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8481, 0.2626, 0.1560

Background



This preview shows how black text looks on a background with the Yxy color 23.8481, 0.2626, 0.1560.



This preview shows how white text looks on a background with the Yxy color 23.8481, 0.2626, 0.1560.

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

23.8481, 0.2626, 0.1560

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

24.2688, 0.1901, 0.1837



Tritanopia

23.5289, 0.3583, 0.3137

Trichromacy



Original Color

23.8481, 0.2626, 0.1560



Protanomaly

22.1878, 0.2031, 0.1522



Deuteranomaly

21.7855, 0.2032, 0.1634



Tritanomaly

22.9145, 0.3192, 0.2409

Monochromacy



Original Color

23.8481, 0.2626, 0.1560



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.9220, 0.2930, 0.2439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8481, 0.2626, 0.1560 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(186, 87, 245)` looks like.

```
.text, #text, p{  
    color:rgb(186, 87, 245)  
}
```

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(186, 87, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 87, 245) }
```

Border

The CSS property to change the border of an element to Yxy 23.8481, 0.2626, 0.1560 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(186, 87, 245) }
```

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

```
.border{ border-color:rgb(186, 87, 245) }
```

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

Here you see how a box with a 4 pixel rgb(186, 87, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 87, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 87, 245);  
box-shadow:4px 4px 4px 4px rgb(186, 87,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8481, 0.2626, 0.1560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 87, 245) }
```

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

```
.background{ background-color: rgb(186, 87,  
245) }
```

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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