

Converting Colors

$Y_{xy}(23.7762, 0.2473, 0.1632)$

Have a look what the booklet for
Yxy(23.7762, 0.2473, 0.1632)
contains.

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Color

Yxy(23.8529, 0.2477, 0.1635)

Conversions

Conversions Part 1

Format	Color
Hex	A566F1
RGB	165, 102, 241
RGB Percent	65%, 40%, 95%
CMY	0.3531, 0.5999, 0.0550
CMYK	0.32, 0.58, 0.00, 0.05
HSL	267°, 83%, 67%
HSV	267°, 58%, 95%
XYZ	36.1368, 23.8529, 85.8996
YIQ	136.6830, -7.0710, 56.5850

Conversions

Conversions Part 2

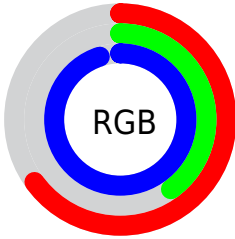
Format	Color
R _Y B	165, 102, 241
Decimal	10839793
CIE Lab	55.94, 52.13, -60.77
CIE LCh	56, 80.066, 310.627
Yxy	23.8529, 0.2477, 0.1635
Android (android.graphics.Color)	4289029873 (0xFFA566F1)
YUV	136.6830, 51.4283, 24.8340
Hunter-Lab	48.8394, 46.6049, -70.0927

Details

The Yxy color **23.8529, 0.2477, 0.1635** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **73.3265, 0.3492, 0.4904**, and the grayscale version is **24.6969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3507, 0.2909, 0.2240**, and **9.0165, 0.2247, 0.1265** is the 20% darker color. If you saturate the color by 10%, you get **18.4431, 0.2333, 0.1366**, and if you desaturate by 10%, it is **30.7864, 0.2618, 0.1930**.

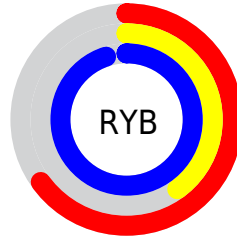
Distribution



Red (65%)

Green (40%)

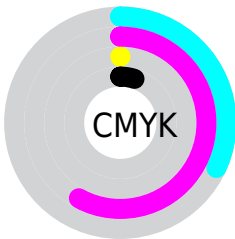
Blue (95%)



Red (65%)

Yellow (40%)

Blue (95%)

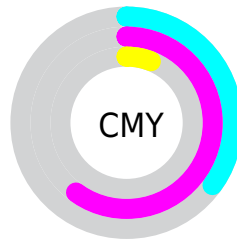


Cyan (32%)

Magenta (58%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (60%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8529, 0.2477, 0.1635 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 23.8529, 0.2477, 0.1635 by changing the saturation by 10% instead.


 23.8529, 0.2477,
0.1635


 23.8529, 0.2477,
0.1635


272.0759, 0.2846,
0.2412


 15.2245, 0.2377,
0.1464


 49.7900, 0.2618,
0.1901


 8.9771, 0.2246,
0.1261


 67.8676, 0.2669,
0.2006

 4.7263, 0.2070,
0.1018


 89.8637, 0.2712,
0.2097

 2.0876, 0.1828,
0.0734

 116.1627, 0.2747,
0.2177

 0.6576, 0.1491,
0.0408

147.1491, 0.2778,
0.2246

 0.0000, 0.1034,
0.0000

183.2071, 0.2804,

 0.0000, 0.0000,

0.2308

0.0000

224.7213, 0.2826,
0.2363

■ 23.8529, 0.2477,
0.1635

■ 23.8529, 0.2477,
0.1635

■ 18.4431, 0.2333,
0.1366

■ 30.7864, 0.2618,
0.1930

■ 14.4270, 0.2191,
0.1139

■ 39.3535, 0.2749,
0.2236

■ 11.6562, 0.2060,
0.0966

■ 49.6567, 0.2869,
0.2539

■ 9.9320, 0.1944,
0.0853

■ 61.7890, 0.2975,
0.2828

■ 9.6101, 0.1919,
0.0831

■ 75.8367, 0.3066,
0.3098

 91.8806, 0.3144,
0.3346

 99.1295, 0.3209,
0.3425

Harmonies

Analogous

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



23.8529, 0.1596, 0.1461



23.8529, 0.2477, 0.1635



23.8529, 0.3827, 0.2094

Triad

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



23.8529, 0.2477, 0.1635



23.8529, 0.5331, 0.4383



23.8529, 0.1352, 0.3424

Complementary

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



23.8529, 0.2477, 0.1635



73.3265, 0.3492, 0.4904

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.



23.8529, 0.2121, 0.5155



23.8529, 0.2477, 0.1635



23.8529, 0.4381, 0.5335

Square

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



23.8529, 0.2477, 0.1635



23.8529, 0.5729, 0.3524



23.8529, 0.3234, 0.5911



23.8529, 0.1071, 0.2167

Rectangle

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



23.8529, 0.2477, 0.1635



23.8529, 0.4782, 0.2526



23.8529, 0.3234, 0.5911



23.8529, 0.1552, 0.4000

Sweetspot

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



23.8538, 0.2477, 0.1635



71.1686, 0.2980, 0.2845



41.1965, 0.2228, 0.2456



14.5954, 0.2961, 0.2788



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.



23.8538, 0.2477, 0.1635



20.1641, 0.2310, 0.1327



33.3555, 0.3124, 0.1909



15.5793, 0.3051, 0.3051



5.2902, 0.1935, 0.0840



0.4984, 0.2081, 0.0920

Inverse Universe

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



31.4214, 0.3891, 0.2492



29.9663, 0.4127, 0.2387



67.1063, 0.3073, 0.5135



15.9035, 0.3207, 0.3162



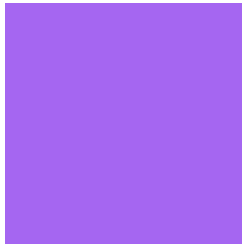
11.0697, 0.4760, 0.2396



0.9409, 0.4499, 0.2252

Previews

White Background



This preview shows how the Yxy color 23.8529, 0.2477, 0.1635 looks on a white background.

Color Contrast Check

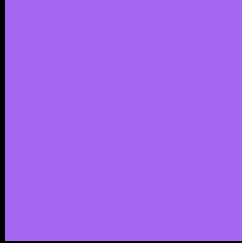
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8529, 0.2477, 0.1635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

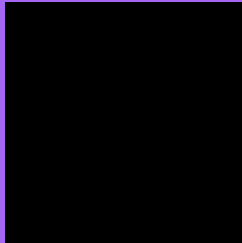
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8529, 0.2477, 0.1635

Background



This preview shows how black text looks on a background with the Yxy color 23.8529, 0.2477, 0.1635.



This preview shows how white text looks on a background with the Yxy color 23.8529, 0.2477, 0.1635.

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

23.8529, 0.2477, 0.1635

Protanopia

24.2753, 0.1874, 0.1616

Deuteranopia

24.2789, 0.1920, 0.1860



Tritanopia

23.6137, 0.3194, 0.3109

Trichromacy



Original Color

23.8529, 0.2477, 0.1635



Protanomaly

23.1018, 0.2012, 0.1585



Deuteranomaly

22.8569, 0.2031, 0.1719



Tritanomaly

23.0434, 0.2889, 0.2423

Monochromacy



Original Color

23.8529, 0.2477, 0.1635



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.7135, 0.2858, 0.2512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8529, 0.2477, 0.1635 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(165, 102, 241)` looks like.

```
.text, #text, p{  
    color:rgb(165, 102, 241)  
}
```

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(165, 102, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 102, 241) }
```

Border

The CSS property to change the border of an element to Yxy 23.8529, 0.2477, 0.1635 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(165, 102, 241) }
```

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

```
.border{ border-color:rgb(165, 102, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 102, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 102, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 102, 241);  
box-shadow:4px 4px 4px 4px rgb(165, 102,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8529, 0.2477, 0.1635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 102, 241) }
```

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

```
.background{ background-color: rgb(165,  
102, 241) }
```

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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