

Converting Colors

$Y_{xy}(19.2649, 0.2475, 0.1254)$

Have a look what the booklet for
Yxy(19.2649, 0.2475, 0.1254)
contains.

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Color

Yxy(19.2910, 0.2476, 0.1255)

Conversions

Conversions Part 1

Format	Color
Hex	B433FF
RGB	180, 51, 255
RGB Percent	71%, 20%, 100%
CMY	0.2942, 0.8000, 0.0000
CMYK	0.29, 0.80, 0.00, 0.00
HSL	278°, 100%, 60%
HSV	278°, 80%, 100%
XYZ	38.0594, 19.2910, 96.3628
YIQ	112.8270, 11.4000, 90.7920

Conversions

Conversions Part 2

Format	Color
RYB	180, 51, 255
Decimal	11809791
CIELab	51.03, 79.63, -76.46
CIELCh	51, 110.393, 316.164
Yxy	19.2910, 0.2476, 0.1255
Android (android.graphics.Color)	4289999871 (0xFFB433FF)
YUV	112.8270, 70.0913, 58.9107
Hunter-Lab	43.9215, 77.8132, -99.3358

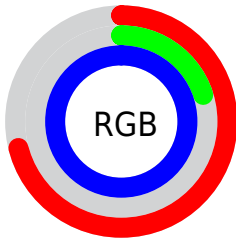
Details

The Yxy color **19.2910, 0.2476, 0.1255** is a light color, and the websafe version is hex **CC33FF**.

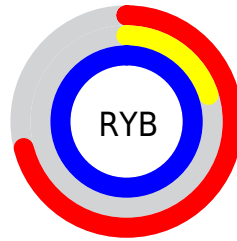
The color can be described as light washed purple. A complement of this color would be **76.1948, 0.3291, 0.5577**, and the grayscale version is **16.2435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7310, 0.3062, 0.1918**, and **8.0243, 0.2248, 0.1012** is the 20% darker color. If you saturate the color by 10%, you get **16.5509, 0.2379, 0.1121**, and if you desaturate by 10%, it is **23.3223, 0.2577, 0.1440**.

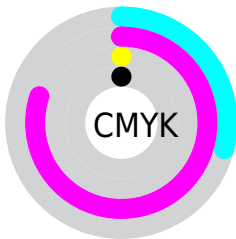
Distribution



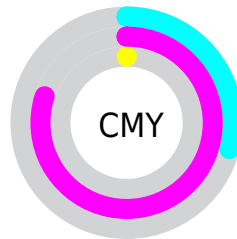
- Red (71%)
- Green (20%)
- Blue (100%)



- Red (71%)
- Yellow (20%)
- Blue (100%)



- Cyan (29%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2910, 0.2476, 0.1255 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 19.2910, 0.2476, 0.1255 by changing the saturation by 10% instead.


 19.2910, 0.2476,
0.1255


 19.2910, 0.2476,
0.1255


248.0506, 0.2870,
0.2163


 11.8807, 0.2366,
0.1073


 42.2252, 0.2630,
0.1553

 6.6625, 0.2223,
0.0865


 58.5180, 0.2685,
0.1675


 3.2520, 0.2031,
0.0635


 78.5404, 0.2730,
0.1782

 1.2646, 0.1772,
0.0391

 102.6768, 0.2768,
0.1876

 0.1136, 0.1437,
0.0060

 131.3117, 0.2800,
0.1960

 0.0000, 0.0965,
0.0000

164.8293, 0.2827,

 0.0000, 0.0000,

0.2035

0.0000

203.6141, 0.2850,
0.2102

■ 19.2910, 0.2476,
0.1255

■ 19.2910, 0.2476,
0.1255

■ 16.5509, 0.2379,
0.1121

■ 23.3223, 0.2577,
0.1440

■ 14.8220, 0.2288,
0.1034

■ 28.8276, 0.2678,
0.1668

■ 35.9527, 0.2774,
0.1928

■ 44.8269, 0.2864,
0.2206

■ 55.5661, 0.2945,
0.2490

■ 68.2763, 0.3015,
0.2770

■ 83.0551, 0.3076,
0.3039

99.9937, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



19.2910, 0.1292, 0.1004



19.2910, 0.2476, 0.1255



19.2910, 0.4480, 0.1829

Triad

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



19.2910, 0.2476, 0.1255



19.2910, 0.5527, 0.4473



19.2910, 0.0699, 0.2898

Complementary

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



19.2910, 0.2476, 0.1255



76.1948, 0.3291, 0.5577

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.



19.2910, 0.1362, 0.5758



19.2910, 0.2476, 0.1255



19.2910, 0.4042, 0.5958

Square

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



19.2910, 0.2476, 0.1255



19.2910, 0.6511, 0.3387



19.2910, 0.2575, 0.7128



19.2910, 0.0570, 0.1509

Rectangle

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



19.2910, 0.2476, 0.1255



19.2910, 0.5829, 0.2334



19.2910, 0.2575, 0.7128



19.2910, 0.0844, 0.3723

Sweetspot

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



19.2888, 0.2476, 0.1255



62.9538, 0.2988, 0.2659



23.6754, 0.1835, 0.1592



12.5176, 0.2963, 0.2559



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.



19.2888, 0.2476, 0.1255



15.4397, 0.2324, 0.1065



29.4076, 0.3453, 0.1785



17.9470, 0.3079, 0.3051



7.8325, 0.2302, 0.1042



0.8247, 0.2405, 0.1098

Inverse Universe

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



25.1333, 0.4941, 0.2689



22.4056, 0.5444, 0.2794



72.7287, 0.2959, 0.5605



18.0975, 0.3236, 0.3203



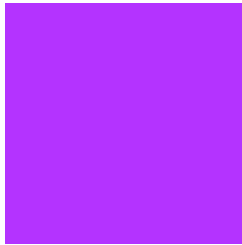
11.5551, 0.5514, 0.2811



1.1453, 0.5203, 0.2640

Previews

White Background



This preview shows how the Yxy color 19.2910, 0.2476, 0.1255 looks on a white background.

Color Contrast Check

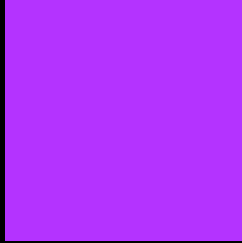
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2910, 0.2476, 0.1255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

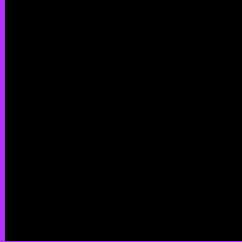
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2910, 0.2476, 0.1255

Background



This preview shows how black text looks on a background with the Yxy color 19.2910, 0.2476, 0.1255.

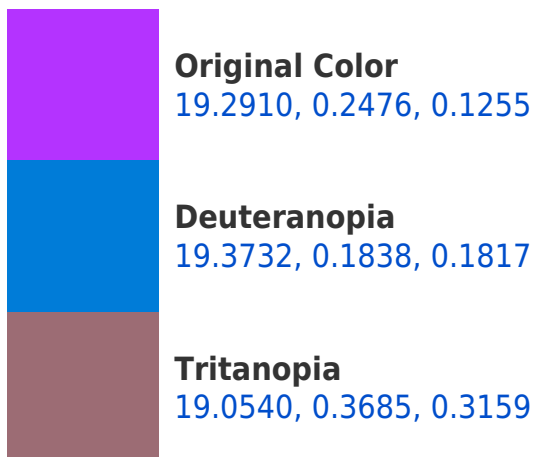


This preview shows how white text looks on a background with the Yxy color 19.2910, 0.2476, 0.1255.

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



Trichromacy



Original Color

19.2910, 0.2476, 0.1255

Deuteranomaly

15.3864, 0.1837, 0.1363

Tritanomaly

17.6057, 0.3155, 0.2144

Monochromacy



Original Color

19.2910, 0.2476, 0.1255

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.3473, 0.2822, 0.2086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2910, 0.2476, 0.1255 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(180, 51, 255)` looks like.

```
.text, #text, p{  
  color:rgb(180, 51, 255)  
}
```

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(180, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.2910, 0.2476, 0.1255 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(180, 51, 255) }
```

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

```
.border{ border-color:rgb(180, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 51,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 19.2910, 0.2476, 0.1255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 51, 255) }
```

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

```
.background{ background-color: rgb(180, 51,  
255) }
```

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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