

Converting Colors

$Y_{xy}(29.3538, 0.2196, 0.1281)$

Have a look what the booklet for
Yxy(29.3538, 0.2196, 0.1281)
contains.

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Color

Yxy(25.3738, 0.2477, 0.1555)

Conversions

Conversions Part 1

Format	Color
Hex	B063FF
RGB	176, 99, 255
RGB Percent	69%, 39%, 100%
CMY	0.3098, 0.6118, 0.0000
CMYK	0.31, 0.61, 0.00, 0.00
HSL	270°, 100%, 69%
HSV	270°, 61%, 100%
XYZ	40.4186, 25.3738, 97.3832
YIQ	139.8070, -4.1840, 64.8400

Conversions

Conversions Part 2

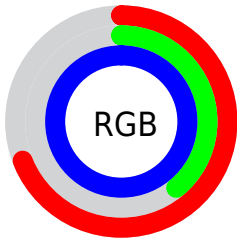
Format	Color
R _Y B	176, 99, 255
Decimal	11559935
CIE Lab	57.44, 59.45, -66.08
CIE LCh	57, 88.889, 311.980
Yxy	25.3738, 0.2477, 0.1555
Android (android.graphics.Color)	4289750015 (0xFFB063FF)
YUV	139.8070, 56.7901, 31.7413
Hunter-Lab	50.3724, 55.0758, -79.3625

Details

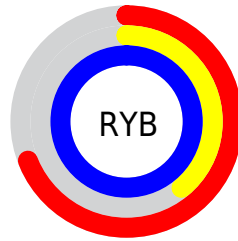
The Yxy color **25.3738, 0.2477, 0.1555** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **81.8841, 0.3461, 0.5027**, and the grayscale version is **25.9238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6646, 0.3007, 0.2250**, and **9.7595, 0.2255, 0.1190** is the 20% darker color. If you saturate the color by 10%, you get **19.8474, 0.2341, 0.1306**, and if you desaturate by 10%, it is **32.5686, 0.2610, 0.1837**.

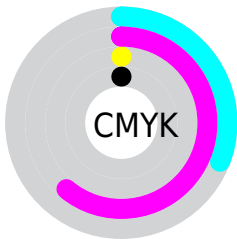
Distribution



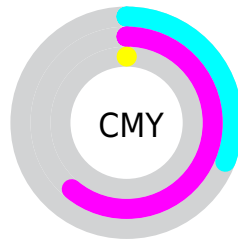
- Red (69%)
- Green (39%)
- Blue (100%)



- Red (69%)
- Yellow (39%)
- Blue (100%)



- Cyan (31%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3738, 0.2477, 0.1555 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 25.3738, 0.2477, 0.1555 by changing the saturation by 10% instead.


 25.3738, 0.2477,
0.1555


 25.3738, 0.2477,
0.1555


279.6944, 0.2845,
0.2347


 16.3558, 0.2379,
0.1387


 52.2630, 0.2617,
0.1822

 9.7763, 0.2252,
0.1190


 70.9029, 0.2668,
0.1928

 5.2509, 0.2083,
0.0958


 93.5190, 0.2710,
0.2021

 2.3952, 0.1855,
0.0692

 120.4955, 0.2746,
0.2102

 0.8234, 0.1540,
0.0404

152.2169, 0.2776,
0.2174

 0.0000, 0.1128,
0.0000

189.0676, 0.2802,


 0.0000, 0.0249,

0.2238

0.0000

231.4320, 0.2825,
0.2296


 0.0000, 0.0000,
0.0000

 25.3738, 0.2477,
0.1555

 25.3738, 0.2477,
0.1555

 19.8474, 0.2341,
0.1306


 32.5686, 0.2610,
0.1837


 15.8353, 0.2210,
0.1103


 41.5645, 0.2737,
0.2135

 13.1546, 0.2088,
0.0957

 52.4816, 0.2852,
0.2436

 11.6469, 0.1992,
0.0871

 65.4289, 0.2954,
0.2729

 80.5073, 0.3043,
0.3005

97.8106, 0.3119,
0.3261

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.



25.3738, 0.1532, 0.1360



25.3738, 0.2477, 0.1555



25.3738, 0.3948, 0.2042

Triad

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



25.3738, 0.2477, 0.1555



25.3738, 0.5399, 0.4424



25.3738, 0.1209, 0.3333

Complementary

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



25.3738, 0.2477, 0.1555



81.8841, 0.3461, 0.5027

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.



25.3738, 0.1973, 0.5273



25.3738, 0.2477, 0.1555



25.3738, 0.4345, 0.5473

Square

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



25.3738, 0.2477, 0.1555



25.3738, 0.5908, 0.3520



25.3738, 0.3127, 0.6142



25.3738, 0.0956, 0.2030

Rectangle

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



25.3738, 0.2477, 0.1555



25.3738, 0.4981, 0.2495



25.3738, 0.3127, 0.6142



25.3738, 0.1402, 0.3962

Sweetspot

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



25.3741, 0.2477, 0.1555



69.9856, 0.2984, 0.2819



42.3528, 0.2161, 0.2321



14.0850, 0.2956, 0.2737



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.



25.3741, 0.2477, 0.1555



19.0085, 0.2317, 0.1265



36.9130, 0.3170, 0.1863



17.8180, 0.3057, 0.3050



6.1742, 0.2009, 0.0880



0.6660, 0.2131, 0.0948

Inverse Universe

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



33.3966, 0.4045, 0.2514



28.1459, 0.4323, 0.2434



75.2220, 0.3045, 0.5271



18.1406, 0.3214, 0.3170



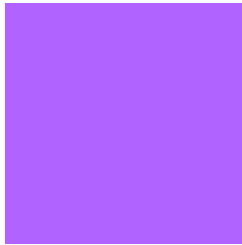
11.9688, 0.4937, 0.2494



1.1874, 0.4687, 0.2355

Previews

White Background



This preview shows how the Yxy color 25.3738, 0.2477, 0.1555 looks on a white background.

Color Contrast Check

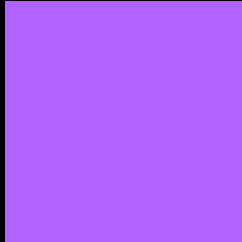
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3738, 0.2477, 0.1555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

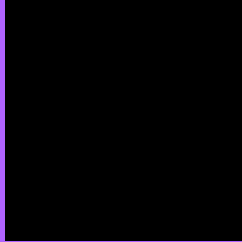
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3738, 0.2477, 0.1555

Background



This preview shows how black text looks on a background with the Yxy color 25.3738, 0.2477, 0.1555.

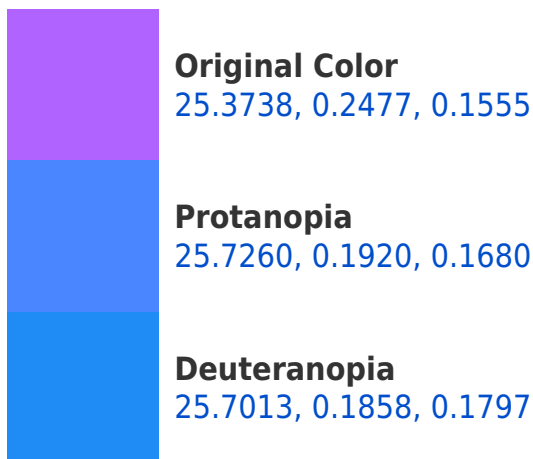


This preview shows how white text looks on a background with the Yxy color 25.3738, 0.2477, 0.1555.

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





Tritanopia

25.1542, 0.3285, 0.3116

Trichromacy



Original Color

25.3738, 0.2477, 0.1555



Protanomaly

24.2743, 0.2050, 0.1583



Deuteranomaly

23.3916, 0.1949, 0.1623



Tritanomaly

24.3991, 0.2949, 0.2379

Monochromacy



Original Color

25.3738, 0.2477, 0.1555



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.8169, 0.2856, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3738, 0.2477, 0.1555 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(176, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 99, 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(176, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 99, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.3738, 0.2477, 0.1555 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(176, 99, 255) }
```

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

```
.border{ border-color:rgb(176, 99, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 99, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 99, 255); box-shadow:4px 4px 4px 4px rgb(176, 99, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3738, 0.2477, 0.1555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 99, 255) }
```

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

```
.background{ background-color: rgb(176, 99,  
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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