

Converting Colors

$Y_{xy}(26.3802, 0.2505, 0.1597)$

Have a look what the booklet for
Yxy(26.3802, 0.2505, 0.1597)
contains.

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Color

Yxy(26.5042, 0.2507, 0.1601)

Conversions

Conversions Part 1

Format	Color
Hex	B367FF
RGB	179, 103, 255
RGB Percent	70%, 40%, 100%
CMY	0.2978, 0.5962, 0.0000
CMYK	0.30, 0.60, 0.00, 0.00
HSL	270°, 100%, 70%
HSV	270°, 60%, 100%
XYZ	41.5028, 26.5042, 97.5408
YIQ	143.0520, -3.4960, 63.3840

Conversions

Conversions Part 2

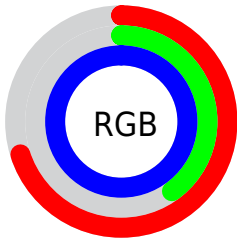
Format	Color
RYB	179, 103, 255
Decimal	11757567
CIELab	58.51, 58.15, -64.33
CIELCh	59, 86.719, 312.114
Yxy	26.5042, 0.2507, 0.1601
Android (android.graphics.Color)	4289947647 (0xFFB367FF)
YUV	143.0520, 55.1904, 31.5264
Hunter-Lab	51.4822, 53.8054, -76.2962

Details

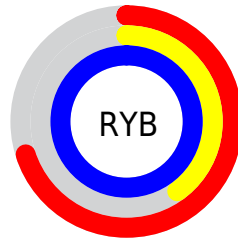
The Yxy color **26.5042, 0.2507, 0.1601** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.0691, 0.3451, 0.4989**, and the grayscale version is **27.2658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5111, 0.3032, 0.2296**, and **10.3774, 0.2293, 0.1246** is the 20% darker color. If you saturate the color by 10%, you get **20.7358, 0.2373, 0.1347**, and if you desaturate by 10%, it is **33.9599, 0.2638, 0.1885**.

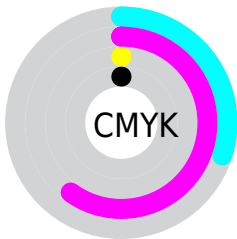
Distribution



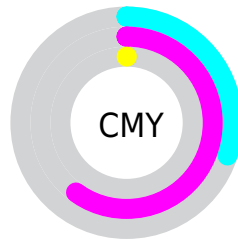
- Red (70%)
- Green (40%)
- Blue (100%)



- Red (70%)
- Yellow (40%)
- Blue (100%)



- Cyan (30%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.5042, 0.2507, 0.1601 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 26.5042, 0.2507, 0.1601 by changing the saturation by 10% instead.


 26.5042, 0.2507,
0.1601


 26.5042, 0.2507,
0.1601


285.2485, 0.2857,
0.2373


 17.2012, 0.2414,
0.1436


 54.0872, 0.2640,
0.1861

 10.3781, 0.2292,
0.1242

 73.1361, 0.2688,
0.1965

 5.6503, 0.2132,
0.1014


 96.2023, 0.2729,
0.2055

 2.6336, 0.1913,
0.0748

 123.6704, 0.2763,
0.2135

 0.9436, 0.1609,
0.0454

155.9246, 0.2792,
0.2205

 0.0000, 0.1211,
0.0000

193.3494, 0.2816,

 0.0000, 0.0397,

0.2267

0.0000


236.3293, 0.2838,
0.2323

 0.0000, 0.0000,
0.0000


 26.5042, 0.2507,
0.1601


 26.5042, 0.2507,
0.1601


 20.7358, 0.2373,
0.1347


 33.9599, 0.2638,
0.1885


 16.5034, 0.2242,
0.1137

 43.2321, 0.2761,
0.2184


 13.6303, 0.2119,
0.0983

 54.4391, 0.2872,
0.2484

 11.8402, 0.2009,
0.0882

 67.6885, 0.2971,
0.2774

 11.7822, 0.2005,
0.0878

 83.0798, 0.3057,
0.3047

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.



26.5042, 0.1579, 0.1408



26.5042, 0.2507, 0.1601



26.5042, 0.3929, 0.2082

Triad

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



26.5042, 0.2507, 0.1601



26.5042, 0.5348, 0.4431



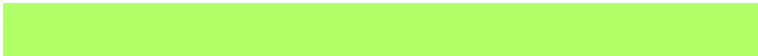
26.5042, 0.1264, 0.3334

Complementary

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



26.5042, 0.2507, 0.1601



82.0691, 0.3451, 0.4989

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.



26.5042, 0.2018, 0.5175



26.5042, 0.2507, 0.1601



26.5042, 0.4335, 0.5433

Square

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



26.5042, 0.2507, 0.1601



26.5042, 0.5824, 0.3543



26.5042, 0.3149, 0.6033



26.5042, 0.1008, 0.2073

Rectangle

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



26.5042, 0.2507, 0.1601



26.5042, 0.4920, 0.2528



26.5042, 0.3149, 0.6033



26.5042, 0.1455, 0.3934

Sweetspot

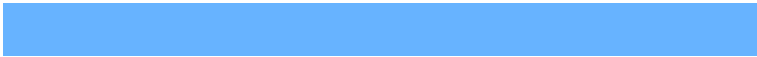
The Sweet Spot groups the original color and five complimentary colors.



26.5048, 0.2507, 0.1601



70.0387, 0.2986, 0.2819



42.3336, 0.2175, 0.2316



14.0980, 0.2959, 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.



26.5048, 0.2507, 0.1601



19.5967, 0.2341, 0.1293



38.1727, 0.3192, 0.1900



17.8244, 0.3058, 0.3050



6.2452, 0.2022, 0.0888



0.6730, 0.2144, 0.0955

Inverse Universe

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



34.2029, 0.4023, 0.2538



28.4651, 0.4317, 0.2451



75.3797, 0.3036, 0.5226



18.1384, 0.3215, 0.3172



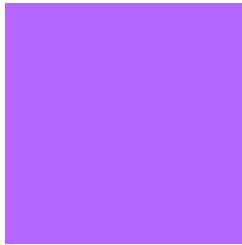
11.9444, 0.4967, 0.2510



1.1850, 0.4712, 0.2370

Previews

White Background



This preview shows how the Yxy color 26.5042, 0.2507, 0.1601 looks on a white background.

Color Contrast Check

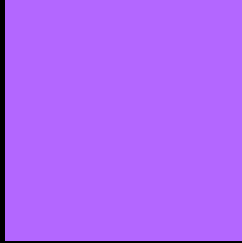
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5042, 0.2507, 0.1601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

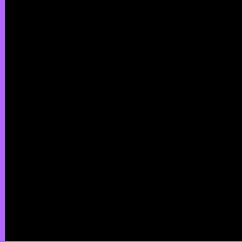
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.5042, 0.2507, 0.1601

Background



This preview shows how black text looks on a background with the Yxy color 26.5042, 0.2507, 0.1601.

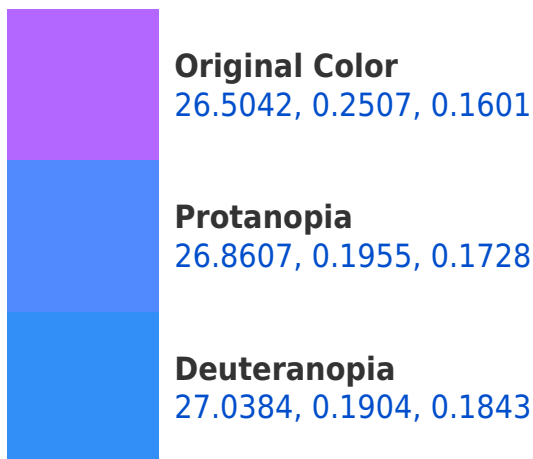


This preview shows how white text looks on a background with the Yxy color 26.5042, 0.2507, 0.1601.

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

26.4347, 0.3304, 0.3135

Trichromacy



Original Color

26.5042, 0.2507, 0.1601



Protanomaly

25.6691, 0.2094, 0.1643



Deuteranomaly

24.8819, 0.2014, 0.1676



Tritanomaly

25.7336, 0.2972, 0.2431

Monochromacy



Original Color

26.5042, 0.2507, 0.1601



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.9670, 0.2870, 0.2477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5042, 0.2507, 0.1601 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(179, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 103, 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(179, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 103, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.5042, 0.2507, 0.1601 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(179, 103, 255) }
```

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

```
.border{ border-color:rgb(179, 103, 255) }
```

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

Here you see how a box with a 4 pixel rgb(179, 103, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 103,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5042, 0.2507, 0.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 103, 255) }
```

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

```
.background{ background-color: rgb(179,  
103, 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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