

Converting Colors

$Y_{xy}(27.5309, 0.2361, 0.1677)$

Have a look what the booklet for
Yxy(27.5309, 0.2361, 0.1677)
contains.

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Color

Yxy(27.5478, 0.2364, 0.1677)

Conversions

Conversions Part 1

Format	Color
Hex	9F76FF
RGB	159, 118, 255
RGB Percent	62%, 46%, 100%
CMY	0.3763, 0.5373, 0.0000
CMYK	0.38, 0.54, 0.00, 0.00
HSL	258°, 100%, 73%
HSV	258°, 54%, 100%
XYZ	38.8330, 27.5478, 97.8875
YIQ	145.8770, -19.5410, 51.2990

Conversions

Conversions Part 2

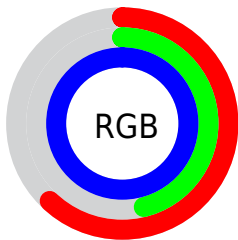
Format	Color
R _Y B	159, 118, 255
Decimal	10450687
CIE _{Lab}	59.48, 45.68, -62.89
CIE _{LCh}	59, 77.731, 305.990
Yxy	27.5478, 0.2364, 0.1677
Android (android.graphics.Color)	4288640767 (0xFF9F76FF)
YUV	145.8770, 53.7976, 11.5089
Hunter-Lab	52.4860, 40.2170, -73.8369

Details

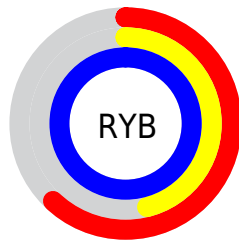
The Yxy color **27.5478, 0.2364, 0.1677** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.1155, 0.3622, 0.4727**, and the grayscale version is **28.4742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2512, 0.2875, 0.2395**, and **10.9322, 0.2124, 0.1326** is the 20% darker color. If you saturate the color by 10%, you get **20.6369, 0.2189, 0.1372**, and if you desaturate by 10%, it is **36.3457, 0.2536, 0.2001**.

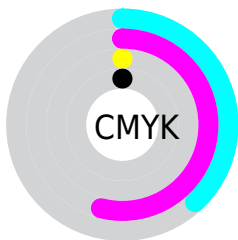
Distribution



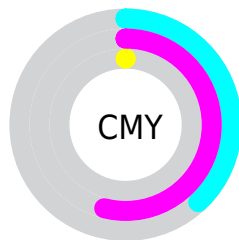
- Red (62%)
- Green (46%)
- Blue (100%)



- Red (62%)
- Yellow (46%)
- Blue (100%)



- Cyan (38%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5478, 0.2364, 0.1677 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 27.5478, 0.2364, 0.1677 by changing the saturation by 10% instead.


 27.5478, 0.2364,
0.1677


 27.5478, 0.2364,
0.1677


290.2998, 0.2776,
0.2425


 17.9851, 0.2258,
0.1515


 55.7617, 0.2517,
0.1931

 10.9393, 0.2123,
0.1322


 75.1816, 0.2574,
0.2032

 6.0260, 0.1946,
0.1092


 98.6560, 0.2622,
0.2120

 2.8609, 0.1711,
0.0822

126.5694, 0.2662,
0.2196

 1.0595, 0.1394,
0.0517

159.3060, 0.2697,
0.2264

 0.0000, 0.0994,
0.0000

197.2504, 0.2727,


 0.0000, 0.0015,

0.2323


0.0000

240.7868, 0.2753,
0.2377


 0.0000, 0.0000,
0.0000


 27.5478, 0.2364,
0.1677


 27.5478, 0.2364,
0.1677


 20.6369, 0.2189,
0.1372


 36.3457, 0.2536,
0.2001


 15.4670, 0.2022,
0.1106


 47.1598, 0.2698,
0.2327


 11.8708, 0.1871,
0.0898

 60.1083, 0.2845,
0.2640

 9.6454, 0.1747,
0.0758

 75.2999, 0.2976,
0.2932

 8.7732, 0.1685,
0.0702

 92.8359, 0.3089,
0.3198

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.



27.5478, 0.1591, 0.1554



27.5478, 0.2364, 0.1677



27.5478, 0.3573, 0.2079

Triad

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



27.5478, 0.2364, 0.1677



27.5478, 0.5325, 0.4242



27.5478, 0.1545, 0.3668

Complementary

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



27.5478, 0.2364, 0.1677



87.1155, 0.3622, 0.4727

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.



27.5478, 0.2357, 0.5191



27.5478, 0.2364, 0.1677



27.5478, 0.4509, 0.5118

Square

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



27.5478, 0.2364, 0.1677



27.5478, 0.5545, 0.3433



27.5478, 0.3442, 0.5702



27.5478, 0.1193, 0.2390

Rectangle

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



27.5478, 0.2364, 0.1677



27.5478, 0.4472, 0.2478



27.5478, 0.3442, 0.5702



27.5478, 0.1766, 0.4205

Sweetspot

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



27.5480, 0.2364, 0.1677



71.6520, 0.2948, 0.2868



60.2738, 0.2342, 0.2817



14.6500, 0.2921, 0.2809



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.



27.5480, 0.2364, 0.1677



20.4762, 0.2185, 0.1364



36.2310, 0.2921, 0.1901



17.6415, 0.3026, 0.3048



4.6515, 0.1699, 0.0710



0.5068, 0.1817, 0.0774

Inverse Universe

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



39.0653, 0.3586, 0.2341



33.3407, 0.3710, 0.2201



79.0929, 0.3199, 0.4944



18.2022, 0.3184, 0.3125



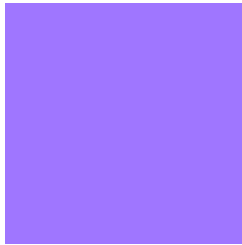
12.8285, 0.4147, 0.2058



1.2684, 0.4014, 0.1985

Previews

White Background



This preview shows how the Yxy color 27.5478, 0.2364, 0.1677 looks on a white background.

Color Contrast Check

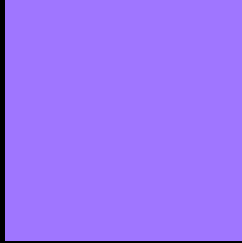
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5478, 0.2364, 0.1677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

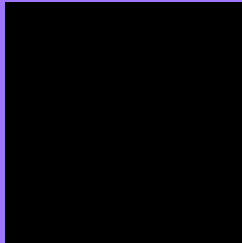
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5478, 0.2364, 0.1677

Background



This preview shows how black text looks on a background with the Yxy color 27.5478, 0.2364, 0.1677.



This preview shows how white text looks on a background with the Yxy color 27.5478, 0.2364, 0.1677.

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

27.5478, 0.2364, 0.1677

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

27.9602, 0.1923, 0.1859



Tritanopia

27.3298, 0.2951, 0.3095

Trichromacy



Original Color

27.5478, 0.2364, 0.1677



Protanomaly

26.9633, 0.2087, 0.1706



Deuteranomaly

26.6727, 0.2017, 0.1753



Tritanomaly

26.8315, 0.2708, 0.2454

Monochromacy



Original Color

27.5478, 0.2364, 0.1677



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.7328, 0.2808, 0.2559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5478, 0.2364, 0.1677 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(159, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 118, 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(159, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 118, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.5478, 0.2364, 0.1677 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(159, 118, 255) }
```

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

```
.border{ border-color:rgb(159, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 118,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5478, 0.2364, 0.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 118, 255) }
```

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

```
.background{ background-color: rgb(159,  
118, 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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