

Converting Colors

$Yxy(42.9896, 0.2374, 0.1892)$

Have a look what the booklet for
Yxy(42.9896, 0.2374, 0.1892)
contains.

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Color

Yxy(40.6811, 0.2555, 0.2154)

Conversions

Conversions Part 1

Format	Color
Hex	B19DFF
RGB	177, 157, 255
RGB Percent	69%, 62%, 100%
CMY	0.3055, 0.3844, 0.0000
CMYK	0.31, 0.38, 0.00, 0.00
HSL	252°, 100%, 81%
HSV	252°, 38%, 100%
XYZ	48.2545, 40.6811, 99.9274
YIQ	174.1520, -19.5380, 34.7180

Conversions

Conversions Part 2

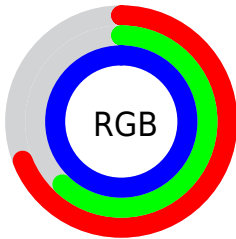
Format	Color
R _Y B	177, 157, 255
Decimal	11640319
CIE Lab	69.95, 28.39, -46.17
CIE LCh	70, 54.198, 301.592
Yxy	40.6811, 0.2555, 0.2154
Android (android.graphics.Color)	4289830399 (0xFFB19DFF)
YUV	174.1520, 39.8581, 2.4977
Hunter-Lab	63.7817, 23.4274, -48.2430

Details

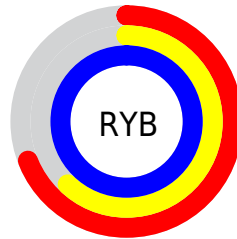
The Yxy color **40.6811, 0.2555, 0.2154** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.5955, 0.3568, 0.4296**, and the grayscale version is **42.2132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9691, 0.3006, 0.2852**, and **18.5229, 0.2393, 0.1897** is the 20% darker color. If you saturate the color by 10%, you get **30.7297, 0.2369, 0.1816**, and if you desaturate by 10%, it is **52.7877, 0.2729, 0.2484**.

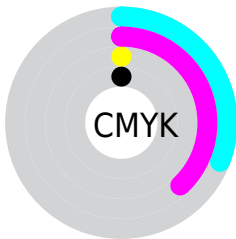
Distribution



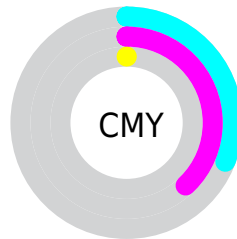
- Red (69%)
- Green (62%)
- Blue (100%)



- Red (69%)
- Yellow (62%)
- Blue (100%)



- Cyan (31%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6811, 0.2555, 0.2154 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 40.6811, 0.2555, 0.2154 by changing the saturation by 10% instead.


 40.6811, 0.2555,
0.2154


 40.6811, 0.2555,
0.2154


348.9860, 0.2848,
0.2683

 28.0700, 0.2482,
0.2035


 76.1996, 0.2661,
0.2337

 18.3784, 0.2390,
0.1890


 99.8757, 0.2702,
0.2408

 11.2220, 0.2270,
0.1710


128.0090, 0.2735,
0.2470

 6.2164, 0.2109,
0.1484

160.9837, 0.2764,
0.2524

 2.9771, 0.1884,
0.1196

199.1844, 0.2789,
0.2571

 1.1198, 0.1560,
0.0833

242.9955, 0.2811,

 0.0000, 0.1122,

0.2613

0.0000

292.8012, 0.2831,
0.2650

0.0000, 0.0000,
0.0000

40.6811, 0.2555,
0.2154

40.6811, 0.2555,
0.2154

30.7297, 0.2369,
0.1816

52.7877, 0.2729,
0.2484

22.8030, 0.2179,
0.1486

67.1651, 0.2886,
0.2793

16.7594, 0.1995,
0.1186

83.9231, 0.3024,
0.3075

12.4376, 0.1831,
0.0939

100.0000, 0.3127,
0.3290

9.6485, 0.1697,
0.0763

■ 8.1323, 0.1602,
0.0661

■ 7.9589, 0.1590,
0.0649

Harmonies

Analogous

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



40.6811, 0.2032, 0.2112



40.6811, 0.2555, 0.2154



40.6811, 0.3310, 0.2422

Triad

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



40.6811, 0.2555, 0.2154



40.6811, 0.4647, 0.3995



40.6811, 0.2180, 0.3685

Complementary

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



40.6811, 0.2555, 0.2154



91.5955, 0.3568, 0.4296

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.



40.6811, 0.2804, 0.4460



40.6811, 0.2555, 0.2154



40.6811, 0.4235, 0.4511

Square

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



40.6811, 0.2555, 0.2154



40.6811, 0.4618, 0.3416



40.6811, 0.3557, 0.4754



40.6811, 0.1832, 0.2874

Rectangle

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



40.6811, 0.2555, 0.2154



40.6811, 0.3855, 0.2704



40.6811, 0.3557, 0.4754



40.6811, 0.2362, 0.3971

Sweetspot

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



40.6818, 0.2555, 0.2154



77.6823, 0.2977, 0.2978



74.0279, 0.2558, 0.3066



16.1534, 0.2959, 0.2941



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.



40.6818, 0.2555, 0.2154



32.9685, 0.2415, 0.1898



47.4270, 0.2931, 0.2266



17.5573, 0.3011, 0.3046



4.2088, 0.1601, 0.0656



0.4535, 0.1701, 0.0711

Inverse Universe

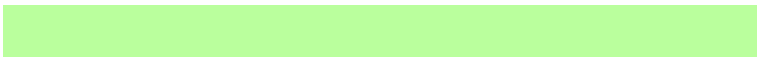
The Inverse Universe completely reimagines the original color for something new.



51.3556, 0.3339, 0.2512



45.1164, 0.3393, 0.2366



84.4401, 0.3247, 0.4409



18.2327, 0.3170, 0.3103



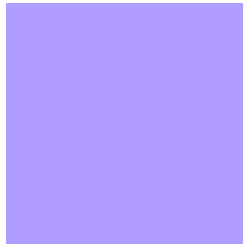
13.3759, 0.3809, 0.1872



1.3177, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 40.6811, 0.2555, 0.2154 looks on a white background.

Color Contrast Check

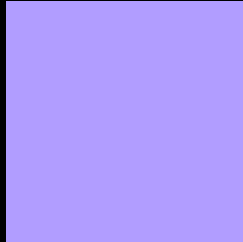
Large Text (above 18pt) WCAG AA × Fail

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 40.6811, 0.2555, 0.2154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

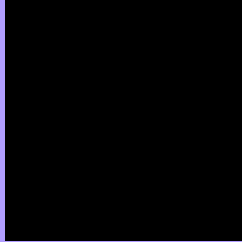
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6811, 0.2555, 0.2154

Background



This preview shows how black text looks on a background with the Yxy color 40.6811, 0.2555, 0.2154.



This preview shows how white text looks on a background with the Yxy color 40.6811, 0.2555, 0.2154.

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

40.6811, 0.2555, 0.2154

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

41.0120, 0.2327, 0.2267



Tritanopia

40.7944, 0.2944, 0.3111

Trichromacy



Original Color

40.6811, 0.2555, 0.2154

Protanomaly

40.6409, 0.2409, 0.2192

Deuteranomaly

40.5814, 0.2402, 0.2218

Tritanomaly

40.6154, 0.2795, 0.2729

Monochromacy



Original Color

40.6811, 0.2555, 0.2154

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.4310, 0.2905, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6811, 0.2555, 0.2154 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(177, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 157, 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(177, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.6811, 0.2555, 0.2154 is called "border". The border property can be set on classes, ids or directly on the HTML element.

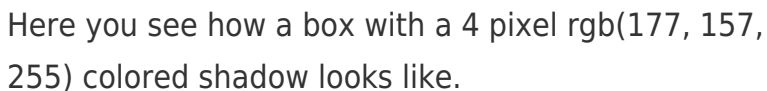
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 157, 255) }
```

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

```
.border{ border-color:rgb(177, 157, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6811, 0.2555, 0.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 157, 255) }
```

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

```
.background{ background-color: rgb(177,  
157, 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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