

Converting Colors

$Y_{xy}(40.1550, 0.2580, 0.2129)$

Have a look what the booklet for
Yxy(40.1550, 0.2580, 0.2129)
contains.

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Color

Yxy(40.1550, 0.2580, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	B59AFF
RGB	181, 154, 255
RGB Percent	71%, 60%, 100%
CMY	0.2902, 0.3961, 0.0000
CMYK	0.29, 0.40, 0.00, 0.00
HSL	256°, 100%, 80%
HSV	256°, 40%, 100%
XYZ	48.6613, 40.1550, 99.7934
YIQ	173.5870, -16.3290, 37.1350

Conversions

Conversions Part 2

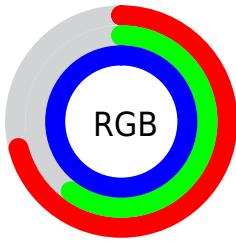
Format	Color
RYB	181, 154, 255
Decimal	11901695
CIELab	69.58, 31.11, -46.72
CIELCh	70, 56.133, 303.662
Yxy	40.1550, 0.2580, 0.2129
Android (android.graphics.Color)	4290091775 (0xFFB59AFF)
YUV	173.5870, 40.1366, 6.5012
Hunter-Lab	63.3680, 26.1791, -49.0137

Details

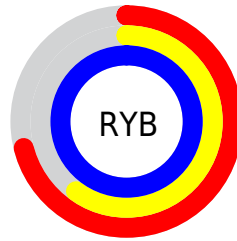
The Yxy color **40.1550, 0.2580, 0.2129** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.3476, 0.3537, 0.4342**, and the grayscale version is **41.9028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1717, 0.3034, 0.2825**, and **18.1377, 0.2415, 0.1864** is the 20% darker color. If you saturate the color by 10%, you get **30.5049, 0.2405, 0.1798**, and if you desaturate by 10%, it is **51.8987, 0.2743, 0.2454**.

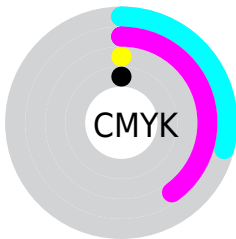
Distribution



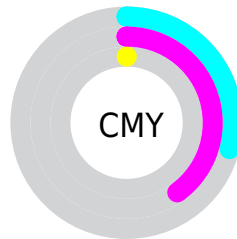
- Red (71%)
- Green (60%)
- Blue (100%)



- Red (71%)
- Yellow (60%)
- Blue (100%)



- Cyan (29%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1550, 0.2580, 0.2129 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 40.1550, 0.2580, 0.2129 by changing the saturation by 10% instead.


 40.1550, 0.2580,
0.2129


 40.1550, 0.2580,
0.2129

346.7764, 0.2862,
0.2669

 27.6594, 0.2509,
0.2008


 75.3995, 0.2683,
0.2315

 18.0691, 0.2420,
0.1861


 98.9172, 0.2722,
0.2388

 10.9996, 0.2302,
0.1679


126.8777, 0.2754,
0.2451

 6.0666, 0.2144,
0.1451

159.6654, 0.2782,
0.2505

 2.8856, 0.1922,
0.1162

197.6648, 0.2806,
0.2554

 1.0723, 0.1601,
0.0799

241.2601, 0.2827,


 0.0000, 0.1165,


0.2596


0.0000

290.8359, 0.2846,
0.2634

 0.0000, 0.0000,
0.0000

 40.1550, 0.2580,
0.2129


 40.1550, 0.2580,
0.2129


 30.5049, 0.2405,
0.1798

 51.8987, 0.2743,
0.2454

 22.8177, 0.2225,
0.1478


 65.8470, 0.2890,
0.2762

 16.9549, 0.2049,
0.1190

 82.1082, 0.3019,
0.3044

 12.7569, 0.1888,
0.0954

100.0000, 0.3127,
0.3290

 10.0358, 0.1754,
0.0785

■ 8.5034, 0.1651,
0.0685

■ 8.4549, 0.1648,
0.0682

Harmonies

Analogous

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



40.1550, 0.2023, 0.2067



40.1550, 0.2580, 0.2129



40.1550, 0.3375, 0.2419

Triad

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



40.1550, 0.2580, 0.2129



40.1550, 0.4685, 0.4052



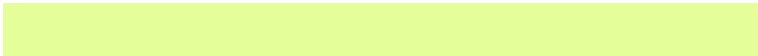
40.1550, 0.2109, 0.3636

Complementary

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



40.1550, 0.2580, 0.2129



90.3476, 0.3537, 0.4342

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.



40.1550, 0.2736, 0.4469



40.1550, 0.2580, 0.2129



40.1550, 0.4228, 0.4581

Square

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



40.1550, 0.2580, 0.2129



40.1550, 0.4696, 0.3455



40.1550, 0.3513, 0.4814



40.1550, 0.1775, 0.2804

Rectangle

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



40.1550, 0.2580, 0.2129



40.1550, 0.3939, 0.2716



40.1550, 0.3513, 0.4814



40.1550, 0.2289, 0.3939

Sweetspot

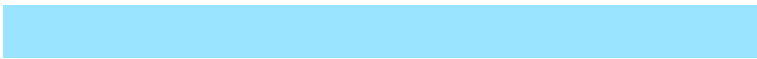
The Sweet Spot groups the original color and five complimentary colors.



40.1565, 0.2580, 0.2129



77.9996, 0.2990, 0.2979



69.6145, 0.2531, 0.2979



16.2276, 0.2973, 0.2943



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.



40.1565, 0.2580, 0.2129



31.9193, 0.2434, 0.1851



47.3939, 0.2978, 0.2251



17.6125, 0.3020, 0.3047



4.4796, 0.1662, 0.0689



0.4869, 0.1774, 0.0751

Inverse Universe

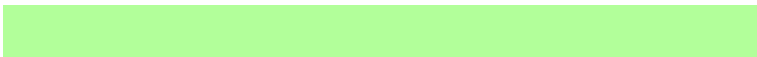
The Inverse Universe completely reimagines the original color for something new.



49.9742, 0.3403, 0.2546



43.2147, 0.3482, 0.2396



83.2674, 0.3207, 0.4462



18.2126, 0.3179, 0.3117



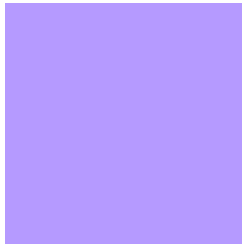
13.0060, 0.4027, 0.1992



1.2845, 0.3912, 0.1929

Previews

White Background



This preview shows how the Yxy color 40.1550, 0.2580, 0.2129 looks on a white background.

Color Contrast Check

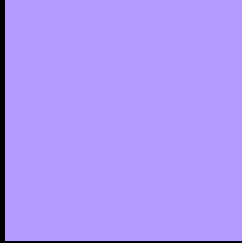
Large Text (above 18pt) WCAG AA × Fail

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 40.1550, 0.2580, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

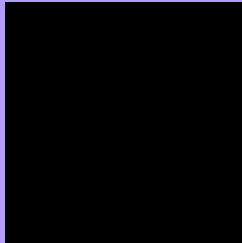
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1550, 0.2580, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 40.1550, 0.2580, 0.2129.



This preview shows how white text looks on a background with the Yxy color 40.1550, 0.2580, 0.2129.

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

40.1550, 0.2580, 0.2129

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.4725, 0.2313, 0.2251



Tritanopia

40.0103, 0.2994, 0.3098

Trichromacy



Original Color

40.1550, 0.2580, 0.2129

Protanomaly

39.9307, 0.2405, 0.2168

Deuteranomaly

40.2221, 0.2400, 0.2205

Tritanomaly

39.9250, 0.2833, 0.2706

Monochromacy



Original Color

40.1550, 0.2580, 0.2129

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.2963, 0.2922, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1550, 0.2580, 0.2129 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(181, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 154, 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(181, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.1550, 0.2580, 0.2129 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(181, 154, 255) }
```

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

```
.border{ border-color:rgb(181, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1550, 0.2580, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 154, 255) }
```

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

```
.background{ background-color: rgb(181,  
154, 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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