

Converting Colors

$Y_{xy}(32.0635, 0.2665, 0.1990)$

Have a look what the booklet for
Yxy(32.0635, 0.2665, 0.1990)
contains.

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Color

Yxy(31.9369, 0.2660, 0.1982)

Conversions

Conversions Part 1

Format	Color
Hex	B681F0
RGB	182, 129, 240
RGB Percent	71%, 51%, 94%
CMY	0.2864, 0.4940, 0.0589
CMYK	0.24, 0.46, 0.00, 0.06
HSL	269°, 79%, 72%
HSV	269°, 46%, 94%
XYZ	42.8618, 31.9369, 86.3360
YIQ	157.5010, -4.0430, 45.7570

Conversions

Conversions Part 2

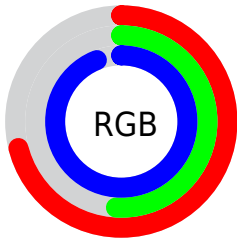
Format	Color
R _Y B	182, 129, 240
Decimal	11960816
CIE _{Lab}	63.29, 41.66, -48.41
CIE _{LCh}	63, 63.862, 310.713
Yxy	31.9369, 0.2660, 0.1982
Android (android.graphics.Color)	4290150896 (0xFFB681F0)
YUV	157.5010, 40.6720, 21.4856
Hunter-Lab	56.5127, 36.4852, -51.0199

Details

The Yxy color **31.9369, 0.2660, 0.1982** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **74.4718, 0.3427, 0.4588**, and the grayscale version is **33.7694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6122, 0.3045, 0.2559**, and **13.3033, 0.2500, 0.1673** is the 20% darker color. If you saturate the color by 10%, you get **24.8798, 0.2526, 0.1688**, and if you desaturate by 10%, it is **40.6180, 0.2784, 0.2285**.

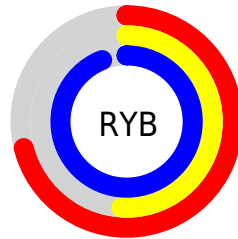
Distribution



Red (71%)

Green (51%)

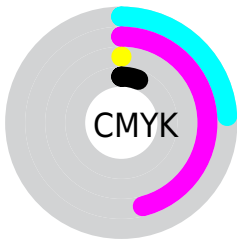
Blue (94%)



Red (71%)

Yellow (51%)

Blue (94%)

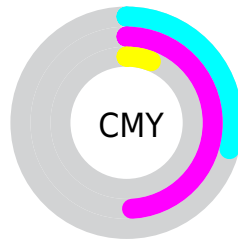


Cyan (24%)

Magenta (46%)

Yellow (0%)

Black (6%)



Cyan (29%)


Magenta (49%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9369, 0.2660, 0.1982 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 31.9369, 0.2660, 0.1982 by changing the saturation by 10% instead.


 31.9369, 0.2660,
0.1982


 31.9369, 0.2660,
0.1982


310.8317, 0.2918,
0.2599

 21.3133, 0.2591,
0.1843


 62.7122, 0.2758,
0.2196

 13.3532, 0.2501,
0.1673


 83.6326, 0.2793,
0.2279

 7.6722, 0.2379,
0.1463


 108.7541, 0.2823,
0.2351

 3.8859, 0.2208,
0.1201

138.4611, 0.2848,
0.2414

 1.6100, 0.1959,
0.0876

173.1380, 0.2869,
0.2468

 0.3643, 0.1597,
0.0394

213.1691, 0.2888,

 0.0000, 0.0787,

0.2517

0.0000

258.9389, 0.2904,
0.2560

0.0000, 0.0000,
0.0000

31.9369, 0.2660,
0.1982

31.9369, 0.2660,
0.1982

24.8798, 0.2526,
0.1688

40.6180, 0.2784,
0.2285

19.3338, 0.2388,
0.1418

51.0182, 0.2897,
0.2583

15.1773, 0.2250,
0.1188

63.2291, 0.2995,
0.2869

12.2666, 0.2120,
0.1010

77.3351, 0.3081,
0.3135

10.4239, 0.2004,
0.0890

93.4148, 0.3153,
0.3379

■ 9.9014, 0.1963,
0.0855

■ 99.0707, 0.3215,
0.3434

Harmonies

Analogous

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



31.9369, 0.1938, 0.1840



31.9369, 0.2660, 0.1982



31.9369, 0.3665, 0.2369

Triad

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



31.9369, 0.2660, 0.1982



31.9369, 0.4887, 0.4296



31.9369, 0.1774, 0.3431

Complementary

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



31.9369, 0.2660, 0.1982



74.4718, 0.3427, 0.4588

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.



31.9369, 0.2425, 0.4567



31.9369, 0.2660, 0.1982



31.9369, 0.4217, 0.4933

Square

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



31.9369, 0.2660, 0.1982



31.9369, 0.5087, 0.3597



31.9369, 0.3323, 0.5163



31.9369, 0.1496, 0.2488

Rectangle

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



31.9369, 0.2660, 0.1982



31.9369, 0.4343, 0.2733



31.9369, 0.3323, 0.5163



31.9369, 0.1951, 0.3818

Sweetspot

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



31.9382, 0.2660, 0.1982



75.9294, 0.3015, 0.2929



47.0144, 0.2391, 0.2625



15.5418, 0.2996, 0.2870



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.



31.9382, 0.2660, 0.1982



29.3283, 0.2541, 0.1718



39.8804, 0.3146, 0.2153



15.5986, 0.3054, 0.3051



5.4987, 0.1980, 0.0864



0.5163, 0.2124, 0.0944

Inverse Universe

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



37.8205, 0.3712, 0.2661



37.0993, 0.3882, 0.2553



68.8646, 0.3079, 0.4739



15.8969, 0.3211, 0.3167



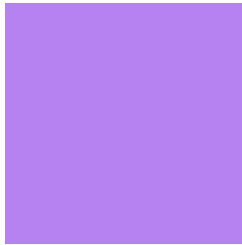
10.9857, 0.4861, 0.2452



0.9340, 0.4584, 0.2299

Previews

White Background



This preview shows how the Yxy color 31.9369, 0.2660, 0.1982 looks on a white background.

Color Contrast Check

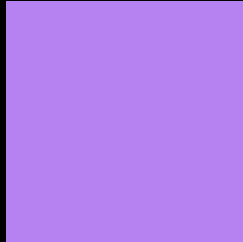
Large Text (above 18pt) WCAG AA × Fail

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 31.9369, 0.2660, 0.1982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

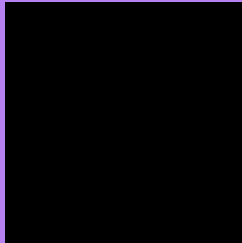
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9369, 0.2660, 0.1982

Background



This preview shows how black text looks on a background with the Yxy color 31.9369, 0.2660, 0.1982.



This preview shows how white text looks on a background with the Yxy color 31.9369, 0.2660, 0.1982.

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

31.9369, 0.2660, 0.1982

Protanopia

32.3477, 0.2123, 0.1940

Deuteranopia

32.2913, 0.2234, 0.2173



Tritanopia

32.0078, 0.3227, 0.3131

Trichromacy



Original Color

31.9369, 0.2660, 0.1982



Protanomaly

31.4824, 0.2273, 0.1930



Deuteranomaly

31.4642, 0.2359, 0.2077



Tritanomaly

31.5648, 0.3007, 0.2648

Monochromacy



Original Color

31.9369, 0.2660, 0.1982



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.7138, 0.2949, 0.2722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9369, 0.2660, 0.1982 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(182, 129, 240)` looks like.

```
.text, #text, p{  
    color:rgb(182, 129, 240)  
}
```

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(182, 129, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 129, 240) }
```

Border

The CSS property to change the border of an element to Yxy 31.9369, 0.2660, 0.1982 is called "border". The border property can be set on classes, ids or directly on the HTML element.

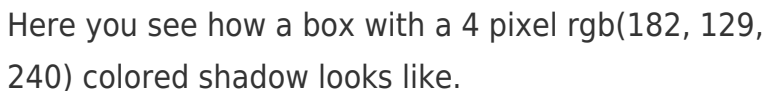
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 129, 240) }
```

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

```
.border{ border-color:rgb(182, 129, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 129, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 129, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 129, 240); box-shadow:4px 4px 4px 4px rgb(182, 129, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9369, 0.2660, 0.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 129, 240) }
```

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

```
.background{ background-color: rgb(182,  
129, 240) }
```

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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