

Converting Colors

Yxy(50.6538, 0.2458, 0.2210)

Have a look what the booklet for
Yxy(50.6538, 0.2458, 0.2210)
contains.

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Color

Yxy(49.2096, 0.2586, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	B1B4FF
RGB	177, 180, 255
RGB Percent	69%, 71%, 100%
CMY	0.3058, 0.2941, 0.0002
CMYK	0.31, 0.29, 0.00, 0.00
HSL	238°, 100%, 85%
HSV	238°, 31%, 100%
XYZ	52.4984, 49.2096, 101.3019
YIQ	187.6530, -25.8630, 22.6890

Conversions

Conversions Part 2

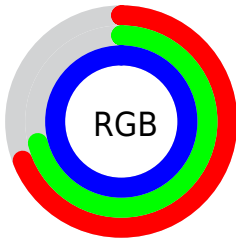
Format	Color
R _Y B	177, 180, 255
Decimal	11646207
CIE Lab	75.58, 15.49, -37.35
CIE LCh	76, 40.433, 292.531
Yxy	49.2096, 0.2586, 0.2424
Android (android.graphics.Color)	4289836287 (0xFFB1B4FF)
YUV	187.6530, 33.2021, -9.3427
Hunter-Lab	70.1496, 10.8237, -36.5151

Details

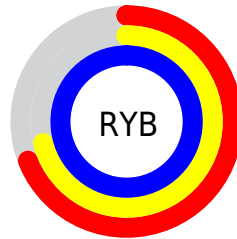
The Yxy color $49.2096, 0.2586, 0.2424$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.0224, 0.3599, 0.4030$, and the grayscale version is $49.9033, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.7033, 0.2999, 0.3099$, and $23.3935, 0.2440, 0.2211$ is the 20% darker color. If you saturate the color by 10%, you get $37.4530, 0.2376, 0.2084$, and if you desaturate by 10%, it is $63.2797, 0.2782, 0.2740$.

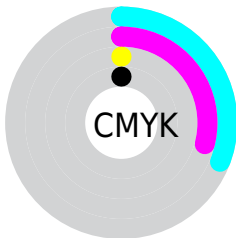
Distribution



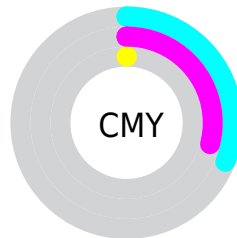
- Red (69%)
- Green (71%)
- Blue (100%)



- Red (69%)
- Yellow (71%)
- Blue (100%)



- Cyan (31%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2096, 0.2586, 0.2424 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 49.2096, 0.2586, 0.2424 by changing the saturation by 10% instead.

■ 49.2096, 0.2586,
0.2424

■ 49.2096, 0.2586,
0.2424

■ 383.5669, 0.2852,
0.2829

■ 34.7858, 0.2522,
0.2332

■ 89.0027, 0.2681,
0.2565

■ 23.4979, 0.2442,
0.2218

■ 115.1407, 0.2717,
0.2619

■ 14.9616, 0.2340,
0.2076

■ 145.9523, 0.2748,
0.2666

■ 8.7924, 0.2203,
0.1894

■ 181.8218, 0.2774,
0.2707

■ 4.6060, 0.2015,
0.1653

■ 223.1336, 0.2797,
0.2743

■ 2.0180, 0.1744,
0.1328

■ 270.2721, 0.2818,

■ 0.6179, 0.1344,

0.2775

0.0855

323.6218, 0.2836,
0.2804

0.0000, 0.0000,
0.0000

49.2096, 0.2586,
0.2424

49.2096, 0.2586,
0.2424

37.4530, 0.2376,
0.2084

63.2797, 0.2782,
0.2740

27.8809, 0.2162,
0.1734

79.7719, 0.2961,
0.3025

20.3601, 0.1957,
0.1395

98.7948, 0.3119,
0.3277

14.7407, 0.1777,
0.1093

99.9972, 0.3127,
0.3290

10.8526, 0.1636,
0.0853

■ 8.4949, 0.1546,
0.0693

■ 7.4300, 0.1505,
0.0616

Harmonies

Analogous

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



49.2096, 0.2249, 0.2463



49.2096, 0.2586, 0.2424



49.2096, 0.3095, 0.2576

Triad

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



49.2096, 0.2586, 0.2424



49.2096, 0.4236, 0.3717



49.2096, 0.2579, 0.3741

Complementary

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



49.2096, 0.2586, 0.2424



94.0224, 0.3599, 0.4030

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.



49.2096, 0.3081, 0.4180



49.2096, 0.2586, 0.2424



49.2096, 0.4051, 0.4096

Square

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



49.2096, 0.2586, 0.2424



49.2096, 0.4093, 0.3284



49.2096, 0.3622, 0.4297



49.2096, 0.2241, 0.3177

Rectangle

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



49.2096, 0.2586, 0.2424



49.2096, 0.3476, 0.2765



49.2096, 0.3622, 0.4297



49.2096, 0.2733, 0.3914

Sweetspot

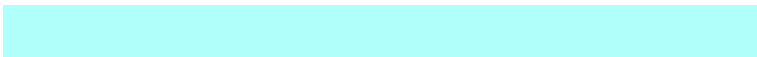
The Sweet Spot groups the original color and five complimentary colors.



49.2115, 0.2586, 0.2424



82.6237, 0.2987, 0.3067



87.8098, 0.2705, 0.3331



17.1255, 0.2963, 0.3028



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.



49.2115, 0.2586, 0.2424



41.4111, 0.2452, 0.2208



52.6760, 0.2833, 0.2448



17.4896, 0.2978, 0.3054



3.9322, 0.1506, 0.0623



0.4205, 0.1522, 0.0677

Inverse Universe

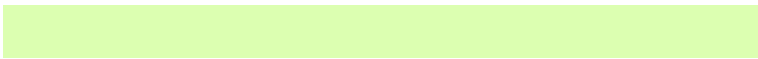
The Inverse Universe completely reimagines the original color for something new.



55.9963, 0.3796, 0.3261



49.3179, 0.4002, 0.3254



89.8644, 0.3354, 0.4120



17.9984, 0.3288, 0.3281



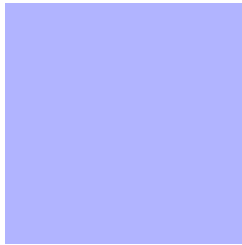
11.1249, 0.6362, 0.3278



1.0870, 0.6270, 0.3228

Previews

White Background



This preview shows how the Yxy color 49.2096, 0.2586, 0.2424 looks on a white background.

Color Contrast Check

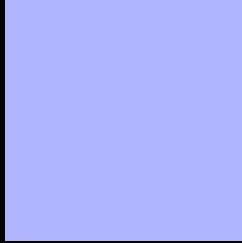
Large Text (above 18pt) WCAG AA × Fail

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 49.2096, 0.2586, 0.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

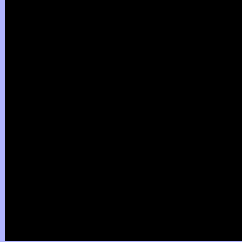
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2096, 0.2586, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 49.2096, 0.2586, 0.2424.



This preview shows how white text looks on a background with the Yxy color 49.2096, 0.2586, 0.2424.

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

49.2096, 0.2586, 0.2424

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.4361, 0.2519, 0.2464



Tritanopia

49.3417, 0.2833, 0.3095

Trichromacy



Original Color

49.2096, 0.2586, 0.2424

Protanomaly

49.5220, 0.2538, 0.2448

Deuteranomaly

49.4577, 0.2543, 0.2457

Tritanomaly

48.9916, 0.2740, 0.2828

Monochromacy



Original Color

49.2096, 0.2586, 0.2424

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.6417, 0.2918, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2096, 0.2586, 0.2424 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, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 180, 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, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.2096, 0.2586, 0.2424 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, 180, 255) }
```

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

```
.border{ border-color:rgb(177, 180, 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, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2096, 0.2586, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 180, 255) }
```

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

```
.background{ background-color: rgb(177,  
180, 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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