

Converting Colors

$Y_{xy}(49.6101, 0.2651, 0.2416)$

Have a look what the booklet for
Yxy(49.6101, 0.2651, 0.2416)
contains.

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Color

Yxy(49.6256, 0.2652, 0.2416)

Conversions

Conversions Part 1

Format	Color
Hex	BBB2FF
RGB	187, 178, 255
RGB Percent	73%, 70%, 100%
CMY	0.2664, 0.3020, 0.0000
CMYK	0.27, 0.30, 0.00, 0.00
HSL	247°, 100%, 85%
HSV	247°, 30%, 100%
XYZ	54.4731, 49.6256, 101.3052
YIQ	189.4690, -19.3530, 25.8550

Conversions

Conversions Part 2

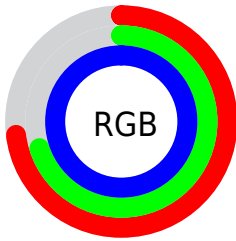
Format	Color
RYB	187, 178, 255
Decimal	12301055
CIELab	75.84, 19.46, -36.91
CIELCh	76, 41.724, 297.808
Yxy	49.6256, 0.2652, 0.2416
Android (android.graphics.Color)	4290491135 (0xFFBBB2FF)
YUV	189.4690, 32.3068, -2.1653
Hunter-Lab	70.4454, 14.7486, -35.9512

Details

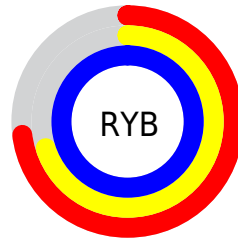
The Yxy color **49.6256, 0.2652, 0.2416** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.3040, 0.3523, 0.4063**, and the grayscale version is **50.9964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2987, 0.3064, 0.3083**, and **23.6500, 0.2521, 0.2205** is the 20% darker color. If you saturate the color by 10%, you get **37.7877, 0.2459, 0.2075**, and if you desaturate by 10%, it is **63.7976, 0.2829, 0.2736**.

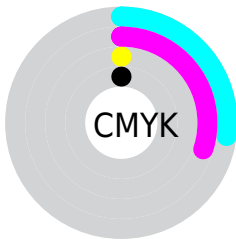
Distribution



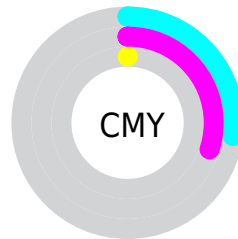
- Red (73%)
- Green (70%)
- Blue (100%)



- Red (73%)
- Yellow (70%)
- Blue (100%)



- Cyan (27%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6256, 0.2652, 0.2416 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 49.6256, 0.2652, 0.2416 by changing the saturation by 10% instead.

 49.6256, 0.2652,
0.2416

 49.6256, 0.2652,
0.2416

385.2000, 0.2887,
0.2822

 35.1160, 0.2595,
0.2324


 89.6199, 0.2736,
0.2556

 23.7522, 0.2524,
0.2211


115.8734, 0.2768,
0.2611

 15.1499, 0.2431,
0.2070


146.8103, 0.2796,
0.2659

 8.9247, 0.2307,
0.1890

182.8150, 0.2819,
0.2700

 4.6921, 0.2135,
0.1652

224.2720, 0.2839,
0.2736

 2.0678, 0.1885,
0.1332

271.5655, 0.2857,

 0.6464, 0.1506,

0.2768

0.0873

325.0801, 0.2873,
0.2796

0.0000, 0.0144,
0.0000

0.0000, 0.0000,
0.0000

49.6256, 0.2652,
0.2416

49.6256, 0.2652,
0.2416

37.7877, 0.2459,
0.2075

63.7976, 0.2829,
0.2736

28.1527, 0.2257,
0.1727

80.4136, 0.2987,
0.3026

20.5854, 0.2057,
0.1391

99.5837, 0.3125,
0.3285

14.9332, 0.1871,
0.1093

99.9993, 0.3127,
0.3290

■ 11.0224, 0.1716,
0.0857

■ 8.6470, 0.1602,
0.0699

■ 7.4961, 0.1534,
0.0619

Harmonies

Analogous

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



49.6256, 0.2271, 0.2419



49.6256, 0.2652, 0.2416



49.6256, 0.3196, 0.2602

Triad

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



49.6256, 0.2652, 0.2416



49.6256, 0.4257, 0.3802



49.6256, 0.2487, 0.3654

Complementary

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



49.6256, 0.2652, 0.2416



94.3040, 0.3523, 0.4063

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.



49.6256, 0.2980, 0.4150



49.6256, 0.2652, 0.2416



49.6256, 0.4013, 0.4171

Square

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



49.6256, 0.2652, 0.2416



49.6256, 0.4172, 0.3360



49.6256, 0.3540, 0.4332



49.6256, 0.2180, 0.3077

Rectangle

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



49.6256, 0.2652, 0.2416



49.6256, 0.3587, 0.2812



49.6256, 0.3540, 0.4332



49.6256, 0.2635, 0.3842

Sweetspot

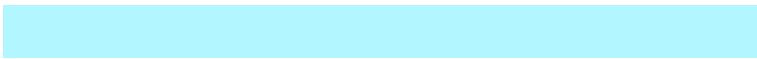
The Sweet Spot groups the original color and five complimentary colors.



49.6276, 0.2652, 0.2416



82.5819, 0.3004, 0.3059



82.5975, 0.2680, 0.3191



17.1154, 0.2983, 0.3019



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.



49.6276, 0.2652, 0.2416



42.4864, 0.2542, 0.2220



55.1383, 0.2934, 0.2482



17.4803, 0.2997, 0.3045



3.9494, 0.1542, 0.0623



0.4158, 0.1615, 0.0663

Inverse Universe

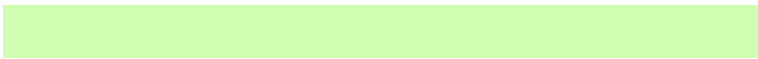
The Inverse Universe completely reimagines the original color for something new.



59.7420, 0.3232, 0.2617



54.0681, 0.3256, 0.2489



88.0650, 0.3268, 0.4131



18.2613, 0.3156, 0.3083



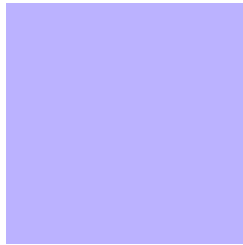
13.9625, 0.3531, 0.1719



1.3695, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 49.6256, 0.2652, 0.2416 looks on a white background.

Color Contrast Check

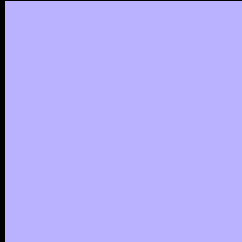
Large Text (above 18pt) WCAG AA × Fail

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 49.6256, 0.2652, 0.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

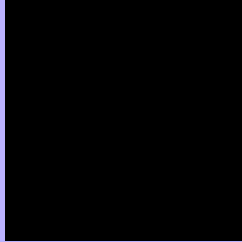
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6256, 0.2652, 0.2416

Background



This preview shows how black text looks on a background with the Yxy color 49.6256, 0.2652, 0.2416.

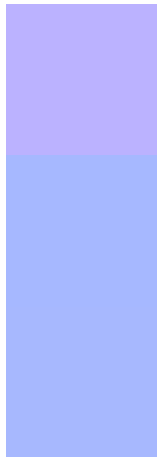


This preview shows how white text looks on a background with the Yxy color 49.6256, 0.2652, 0.2416.

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

49.6256, 0.2652, 0.2416

Protanopia

49.6080, 0.2520, 0.2456

Deuteranopia

49.6522, 0.2532, 0.2467



Tritanopia

49.6253, 0.2929, 0.3099

Trichromacy



Original Color

49.6256, 0.2652, 0.2416

Protanomaly

49.6746, 0.2569, 0.2443

Deuteranomaly

49.6103, 0.2574, 0.2453

Tritanomaly

49.3787, 0.2825, 0.2825

Monochromacy



Original Color

49.6256, 0.2652, 0.2416

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.1934, 0.2942, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6256, 0.2652, 0.2416 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(187, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 178, 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(187, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.6256, 0.2652, 0.2416 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(187, 178, 255) }
```

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

```
.border{ border-color:rgb(187, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6256, 0.2652, 0.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 178, 255) }
```

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

```
.background{ background-color: rgb(187,  
178, 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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