

Converting Colors

$Yxy(49.3957, 0.2619, 0.2576)$

Have a look what the booklet for
Yxy(49.3957, 0.2619, 0.2576)
contains.

Yxy(49.4706, 0.2615, 0.2574)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.4706, 0.2615, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	ABB8F4
RGB	171, 184, 244
RGB Percent	67%, 72%, 96%
CMY	0.3294, 0.2784, 0.0432
CMYK	0.30, 0.25, 0.00, 0.04
HSL	229°, 77%, 81%
HSV	229°, 30%, 96%
XYZ	50.2586, 49.4706, 92.4643
YIQ	186.9530, -27.0080, 15.9040

Conversions

Conversions Part 2

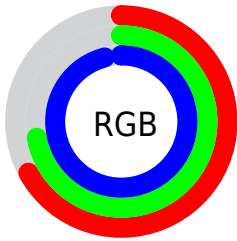
Format	Color
R _Y B	171, 182, 244
Decimal	11254004
CIE Lab	75.74, 8.88, -31.22
CIE LCh	76, 32.455, 285.874
Yxy	49.4706, 0.2615, 0.2574
Android (android.graphics.Color)	4289444084 (0xFFABB8F4)
YUV	186.9530, 28.1242, -13.9908
Hunter-Lab	70.3353, 4.4615, -28.7091

Details

The Yxy color $49.4706, 0.2615, 0.2574$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $79.2922, 0.3616, 0.3916$, and the grayscale version is $49.5160, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.0342, 0.2962, 0.3138$, and $23.6453, 0.2477, 0.2388$ is the 20% darker color. If you saturate the color by 10%, you get $39.2346, 0.2420, 0.2285$, and if you desaturate by 10%, it is $61.3960, 0.2801, 0.2840$.

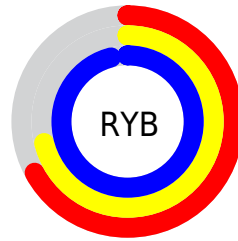
Distribution



Red (67%)

Green (72%)

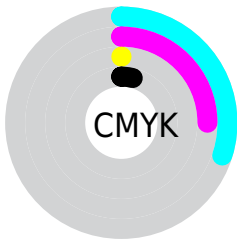
Blue (96%)



Red (67%)

Yellow (71%)

Blue (96%)

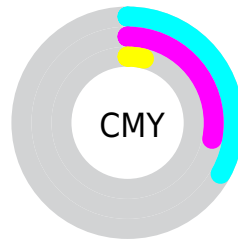


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (28%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4706, 0.2615, 0.2574 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 49.4706, 0.2615, 0.2574 by changing the saturation by 10% instead.

■ 49.4706, 0.2615,
0.2574

■ 49.4706, 0.2615,
0.2574

■ 384.5920, 0.2866,
0.2915

■ 34.9929, 0.2555,
0.2495

■ 89.3900, 0.2704,
0.2694

■ 23.6574, 0.2479,
0.2396

■ 115.6005, 0.2738,
0.2740

■ 15.0797, 0.2382,
0.2271

■ 146.4908, 0.2767,
0.2779

■ 8.8753, 0.2251,
0.2107

■ 182.4452, 0.2793,
0.2814

■ 4.6600, 0.2069,
0.1884

■ 223.8481, 0.2814,
0.2844

■ 2.0492, 0.1803,
0.1571

■ 271.0840, 0.2833,

■ 0.6358, 0.1398,

0.2870

0.1083

324.5371, 0.2850,
0.2894

0.0000, 0.0000,
0.0000

49.4706, 0.2615,
0.2574

49.4706, 0.2615,
0.2574

39.2346, 0.2420,
0.2285

61.3960, 0.2801,
0.2840

30.6050, 0.2221,
0.1980

75.0772, 0.2972,
0.3080

23.5003, 0.2029,
0.1671

90.5840, 0.3128,
0.3292

17.8294, 0.1855,
0.1376

99.3099, 0.3191,
0.3396

13.4910, 0.1710,
0.1112

■ 10.3698, 0.1605,
0.0898

■ 8.3104, 0.1540,
0.0743

■ 8.2963, 0.1540,
0.0742

Harmonies

Analogous

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



49.4706, 0.2372, 0.2652



49.4706, 0.2615, 0.2574



49.4706, 0.3006, 0.2664

Triad

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



49.4706, 0.2615, 0.2574



49.4706, 0.4013, 0.3574



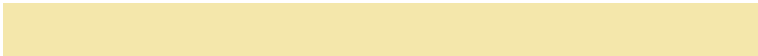
49.4706, 0.2771, 0.3739

Complementary

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



49.4706, 0.2615, 0.2574



79.2922, 0.3616, 0.3916

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.



49.4706, 0.3197, 0.4036



49.4706, 0.2615, 0.2574



49.4706, 0.3928, 0.3894

Square

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



49.4706, 0.2615, 0.2574



49.4706, 0.3839, 0.3216



49.4706, 0.3623, 0.4080



49.4706, 0.2455, 0.3305

Rectangle

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



49.4706, 0.2615, 0.2574



49.4706, 0.3310, 0.2804



49.4706, 0.3623, 0.4080



49.4706, 0.2906, 0.3861

Sweetspot

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



49.4725, 0.2615, 0.2574



84.4584, 0.2987, 0.3100



79.0876, 0.2763, 0.3441



17.5732, 0.2963, 0.3067



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.



49.4725, 0.2615, 0.2574



47.5002, 0.2495, 0.2398



47.1350, 0.2767, 0.2453



16.4047, 0.2979, 0.3089



4.6511, 0.1545, 0.0762



0.5394, 0.1602, 0.0967

Inverse Universe

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



51.8115, 0.3679, 0.3150



50.8036, 0.3842, 0.3120



82.9745, 0.3417, 0.4081



16.5308, 0.3265, 0.3248



10.5689, 0.6131, 0.3151



0.9421, 0.5809, 0.2974

Previews

White Background



This preview shows how the Yxy color 49.4706, 0.2615, 0.2574 looks on a white background.

Color Contrast Check

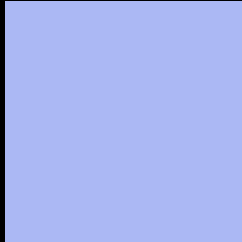
Large Text (above 18pt) WCAG AA × Fail

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 49.4706, 0.2615, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

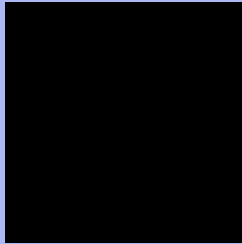
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4706, 0.2615, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 49.4706, 0.2615, 0.2574.



This preview shows how white text looks on a background with the Yxy color 49.4706, 0.2615, 0.2574.

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

49.4706, 0.2615, 0.2574

Protanopia

49.3587, 0.2608, 0.2572

Deuteranopia

49.2829, 0.2627, 0.2564



Tritanopia

49.5044, 0.2805, 0.3095

Trichromacy



Original Color

49.4706, 0.2615, 0.2574

Protanomaly

49.3587, 0.2608, 0.2572

Deuteranomaly

49.1693, 0.2620, 0.2563

Tritanomaly

49.2407, 0.2733, 0.2886

Monochromacy



Original Color

49.4706, 0.2615, 0.2574

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4956, 0.2923, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4706, 0.2615, 0.2574 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(171, 184, 244)` looks like.

```
.text, #text, p{  
    color:rgb(171, 184, 244)  
}
```

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(171, 184, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 184, 244) }
```

Border

The CSS property to change the border of an element to Yxy 49.4706, 0.2615, 0.2574 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(171, 184, 244) }
```

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

```
.border{ border-color:rgb(171, 184, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 184, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 184, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 184, 244);  
box-shadow:4px 4px 4px 4px rgb(171, 184,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4706, 0.2615, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 184, 244) }
```

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

```
.background{ background-color: rgb(171,  
184, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor