

Converting Colors

$Yxy(46.3126, 0.2646, 0.2611)$

Have a look what the booklet for
Yxy(46.3126, 0.2646, 0.2611)
contains.

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Color

Yxy(46.5055, 0.2648, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	A8B3EA
RGB	168, 179, 234
RGB Percent	66%, 70%, 92%
CMY	0.3410, 0.2981, 0.0823
CMYK	0.28, 0.24, 0.00, 0.08
HSL	230°, 61%, 79%
HSV	230°, 28%, 92%
XYZ	47.1284, 46.5055, 84.3435
YIQ	181.9810, -24.2110, 14.7730

Conversions

Conversions Part 2

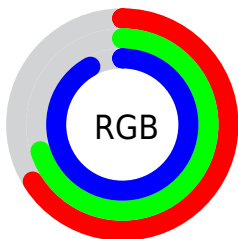
Format	Color
R _Y B	168, 177, 234
Decimal	11056106
CIE Lab	73.87, 8.37, -28.73
CIE LCh	74, 29.921, 286.238
Yxy	46.5055, 0.2648, 0.2613
Android (android.graphics.Color)	4289246186 (0xFFA8B3EA)
YUV	181.9810, 25.6454, -12.2613
Hunter-Lab	68.1949, 4.0173, -25.5934

Details

The Yxy color **46.5055, 0.2648, 0.2613** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.1378, 0.3582, 0.3886**, and the grayscale version is **46.6409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4840, 0.2936, 0.3085**, and **21.7135, 0.2513, 0.2432** is the 20% darker color. If you saturate the color by 10%, you get **36.8870, 0.2453, 0.2324**, and if you desaturate by 10%, it is **57.6975, 0.2832, 0.2878**.

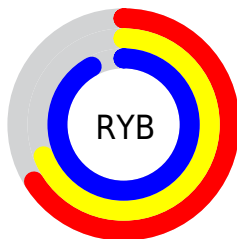
Distribution



Red (66%)

Green (70%)

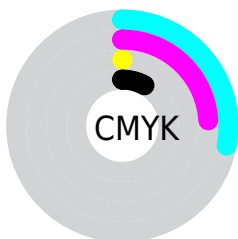
Blue (92%)



Red (66%)

Yellow (69%)

Blue (92%)

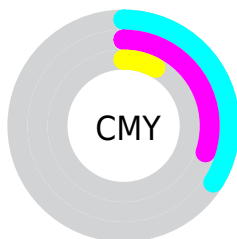


Cyan (28%)

Magenta (24%)

Yellow (0%)

Black (8%)



Cyan (34%)

Magenta (30%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5055, 0.2648, 0.2613 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 46.5055, 0.2648, 0.2613 by changing the saturation by 10% instead.

■ 46.5055, 0.2648,
0.2613

■ 46.5055, 0.2648,
0.2613

■ 372.8372, 0.2885,
0.2940

■ 32.6449, 0.2590,
0.2536

■ 84.9750, 0.2733,
0.2729

■ 21.8546, 0.2517,
0.2439

■ 110.3527, 0.2766,
0.2773

■ 13.7501, 0.2421,
0.2315

■ 140.3383, 0.2793,
0.2811

■ 7.9470, 0.2292,
0.2150

■ 175.3160, 0.2817,
0.2844

■ 4.0611, 0.2108,
0.1923

■ 215.6704, 0.2837,
0.2872

■ 1.7078, 0.1833,
0.1596

■ 261.7858, 0.2855,

■ 0.4287, 0.1377,

0.2897

0.0965

314.0466, 0.2871,
0.2920

0.0000, 0.0000,
0.0000

46.5055, 0.2648,
0.2613

46.5055, 0.2648,
0.2613

36.8870, 0.2453,
0.2324

57.6975, 0.2832,
0.2878

28.7653, 0.2254,
0.2017

70.5239, 0.3001,
0.3116

22.0657, 0.2059,
0.1705

85.0493, 0.3154,
0.3326

16.7044, 0.1879,
0.1404

98.7213, 0.3250,
0.3493

12.5890, 0.1728,
0.1134

■ 9.6141, 0.1616,
0.0912

■ 7.6494, 0.1545,
0.0751

■ 7.3800, 0.1536,
0.0728

Harmonies

Analogous

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



46.5055, 0.2415, 0.2686



46.5055, 0.2648, 0.2613



46.5055, 0.3019, 0.2699

Triad

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



46.5055, 0.2648, 0.2613



46.5055, 0.3961, 0.3565



46.5055, 0.2788, 0.3707

Complementary

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



46.5055, 0.2648, 0.2613



73.1378, 0.3582, 0.3886

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.



46.5055, 0.3190, 0.3987



46.5055, 0.2648, 0.2613



46.5055, 0.3879, 0.3864

Square

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



46.5055, 0.2648, 0.2613



46.5055, 0.3800, 0.3226



46.5055, 0.3591, 0.4034



46.5055, 0.2490, 0.3301

Rectangle

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



46.5055, 0.2648, 0.2613



46.5055, 0.3305, 0.2833



46.5055, 0.3591, 0.4034



46.5055, 0.2915, 0.3822

Sweetspot

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



46.5073, 0.2648, 0.2613



85.9536, 0.3003, 0.3119



72.5120, 0.2777, 0.3418



17.8643, 0.2979, 0.3085



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.



46.5073, 0.2648, 0.2613



49.3127, 0.2533, 0.2443



44.9164, 0.2801, 0.2511



14.9525, 0.2980, 0.3087



4.2682, 0.1541, 0.0746



0.4549, 0.1603, 0.0970

Inverse Universe

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



48.7722, 0.3643, 0.3168



52.7817, 0.3797, 0.3141



75.6828, 0.3392, 0.4033



15.0948, 0.3267, 0.3251



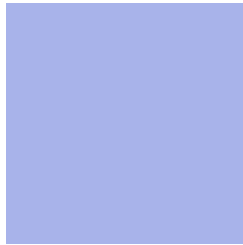
9.9237, 0.6156, 0.3165



0.7913, 0.5804, 0.2971

Previews

White Background



This preview shows how the Yxy color 46.5055, 0.2648, 0.2613 looks on a white background.

Color Contrast Check

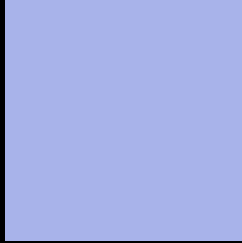
Large Text (above 18pt) WCAG AA × Fail

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 46.5055, 0.2648, 0.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

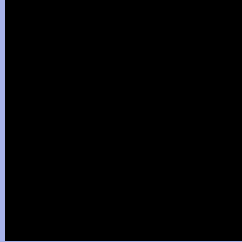
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5055, 0.2648, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 46.5055, 0.2648, 0.2613.



This preview shows how white text looks on a background with the Yxy color 46.5055, 0.2648, 0.2613.

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

46.5055, 0.2648, 0.2613

Protanopia

46.3962, 0.2641, 0.2612

Deuteranopia

46.4392, 0.2668, 0.2604



Tritanopia

46.4451, 0.2826, 0.3090

Trichromacy



Original Color

46.5055, 0.2648, 0.2613

Protanomaly

46.3962, 0.2641, 0.2612

Deuteranomaly

46.3274, 0.2661, 0.2603

Tritanomaly

46.5130, 0.2765, 0.2915

Monochromacy



Original Color

46.5055, 0.2648, 0.2613

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.6119, 0.2941, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5055, 0.2648, 0.2613 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(168, 179, 234)` looks like.

```
.text, #text, p{  
    color:rgb(168, 179, 234)  
}
```

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(168, 179, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 179, 234) }
```

Border

The CSS property to change the border of an element to Yxy 46.5055, 0.2648, 0.2613 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(168, 179, 234) }
```

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

```
.border{ border-color:rgb(168, 179, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 179, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 179, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 179, 234);  
box-shadow:4px 4px 4px 4px rgb(168, 179,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5055, 0.2648, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 179, 234) }
```

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

```
.background{ background-color: rgb(168,  
179, 234) }
```

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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