

Converting Colors

$Y_{xy}(46.5752, 0.2618, 0.2582)$

Have a look what the booklet for
Yxy(46.5752, 0.2618, 0.2582)
contains.

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Color

Yxy(46.4616, 0.2616, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	A6B3ED
RGB	166, 179, 237
RGB Percent	65%, 70%, 93%
CMY	0.3487, 0.2981, 0.0705
CMYK	0.30, 0.24, 0.00, 0.07
HSL	229°, 66%, 79%
HSV	229°, 30%, 93%
XYZ	47.1464, 46.4616, 86.6154
YIQ	181.7250, -26.3660, 15.2820

Conversions

Conversions Part 2

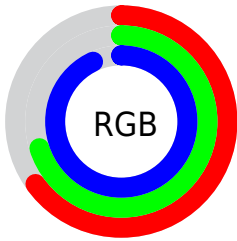
Format	Color
RYB	166, 177, 237
Decimal	10925037
CIELab	73.84, 8.54, -30.41
CIELCh	74, 31.587, 285.684
Yxy	46.4616, 0.2616, 0.2578
Android (android.graphics.Color)	4289115117 (0xFFA6B3ED)
YUV	181.7250, 27.2506, -13.7908
Hunter-Lab	68.1627, 4.1791, -27.6267

Details

The Yxy color **46.4616, 0.2616, 0.2578** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.1401, 0.3616, 0.3913**, and the grayscale version is **46.4896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1663, 0.2923, 0.3084**, and **21.7026, 0.2473, 0.2387** is the 20% darker color. If you saturate the color by 10%, you get **36.8986, 0.2421, 0.2290**, and if you desaturate by 10%, it is **57.5935, 0.2801, 0.2843**.

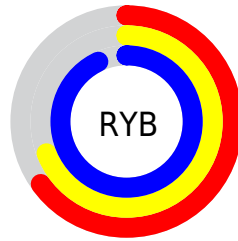
Distribution



Red (65%)

Green (70%)

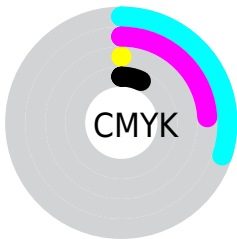
Blue (93%)



Red (65%)

Yellow (69%)

Blue (93%)

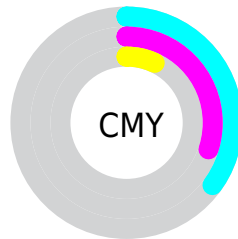


Cyan (30%)

Magenta (24%)

Yellow (0%)

Black (7%)



Cyan (35%)

Magenta (30%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4616, 0.2616, 0.2578 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 46.4616, 0.2616, 0.2578 by changing the saturation by 10% instead.

■ 46.4616, 0.2616,
0.2578

■ 46.4616, 0.2616,
0.2578

■ 372.6613, 0.2869,
0.2921

■ 32.6102, 0.2555,
0.2497

■ 84.9094, 0.2707,
0.2699

■ 21.8280, 0.2477,
0.2396

■ 110.2746, 0.2741,
0.2746

■ 13.7306, 0.2376,
0.2267

■ 140.2466, 0.2770,
0.2785

■ 7.9335, 0.2240,
0.2096

■ 175.2097, 0.2796,
0.2820

■ 4.0524, 0.2048,
0.1863

■ 215.5483, 0.2817,
0.2850

■ 1.7029, 0.1763,
0.1530

■ 261.6469, 0.2837,

■ 0.4256, 0.1301,

0.2876

0.0903

313.8897, 0.2854,
0.2900

0.0000, 0.0000,
0.0000

46.4616, 0.2616,
0.2578

46.4616, 0.2616,
0.2578

36.8986, 0.2421,
0.2290

57.5935, 0.2801,
0.2843

28.8276, 0.2223,
0.1987

70.3556, 0.2972,
0.3081

22.1736, 0.2032,
0.1680

84.8123, 0.3128,
0.3291

16.8523, 0.1858,
0.1385

98.8954, 0.3232,
0.3463

12.7704, 0.1713,
0.1122

■ 9.8214, 0.1608,
0.0906

■ 7.8610, 0.1542,
0.0750

■ 7.8495, 0.1542,
0.0749

Harmonies

Analogous

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



46.4616, 0.2375, 0.2657



46.4616, 0.2616, 0.2578



46.4616, 0.3004, 0.2666

Triad

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



46.4616, 0.2616, 0.2578



46.4616, 0.4007, 0.3570



46.4616, 0.2776, 0.3739

Complementary

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



46.4616, 0.2616, 0.2578



74.1401, 0.3616, 0.3913

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.



46.4616, 0.3200, 0.4032



46.4616, 0.2616, 0.2578



46.4616, 0.3924, 0.3888

Square

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



46.4616, 0.2616, 0.2578



46.4616, 0.3833, 0.3214



46.4616, 0.3622, 0.4075



46.4616, 0.2460, 0.3308

Rectangle

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



46.4616, 0.2616, 0.2578



46.4616, 0.3306, 0.2805



46.4616, 0.3622, 0.4075



46.4616, 0.2910, 0.3860

Sweetspot

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



46.4634, 0.2616, 0.2578



84.5031, 0.2987, 0.3101



74.0763, 0.2764, 0.3441



17.5841, 0.2963, 0.3068



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.



46.4634, 0.2616, 0.2578



47.6252, 0.2496, 0.2402



44.1794, 0.2767, 0.2454



14.9918, 0.2980, 0.3091



4.4212, 0.1547, 0.0770



0.4735, 0.1612, 0.1003

Inverse Universe

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



48.5643, 0.3676, 0.3147



50.8162, 0.3839, 0.3117



77.7137, 0.3416, 0.4080



15.0988, 0.3264, 0.3247



9.9391, 0.6118, 0.3144



0.7932, 0.5754, 0.2944

Previews

White Background



This preview shows how the Yxy color 46.4616, 0.2616, 0.2578 looks on a white background.

Color Contrast Check

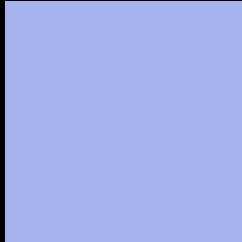
Large Text (above 18pt) WCAG AA × Fail

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 46.4616, 0.2616, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

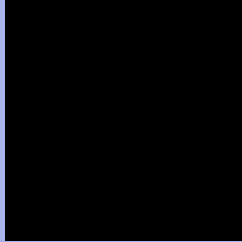
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4616, 0.2616, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 46.4616, 0.2616, 0.2578.



This preview shows how white text looks on a background with the Yxy color 46.4616, 0.2616, 0.2578.

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

46.4616, 0.2616, 0.2578

Protanopia

46.4616, 0.2616, 0.2578

Deuteranopia

46.3902, 0.2635, 0.2570



Tritanopia

46.5570, 0.2805, 0.3103

Trichromacy



Original Color

46.4616, 0.2616, 0.2578

Protanomaly

46.4616, 0.2616, 0.2578

Deuteranomaly

46.2800, 0.2628, 0.2568

Tritanomaly

46.2481, 0.2737, 0.2900

Monochromacy



Original Color

46.4616, 0.2616, 0.2578

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5421, 0.2926, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4616, 0.2616, 0.2578 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(166, 179, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 179, 237)  
}
```

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(166, 179, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 179, 237) }
```

Border

The CSS property to change the border of an element to Yxy 46.4616, 0.2616, 0.2578 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(166, 179, 237) }
```

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

```
.border{ border-color:rgb(166, 179, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 179, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 179, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 179, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 179,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4616, 0.2616, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 179, 237) }
```

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

```
.background{ background-color: rgb(166,  
179, 237) }
```

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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