

Converting Colors

$Y_{xy}(46.3660, 0.2775, 0.2846)$

Have a look what the booklet for
Yxy(46.3660, 0.2775, 0.2846)
contains.

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Color

Yxy(46.4406, 0.2773, 0.2845)

Conversions

Conversions Part 1

Format	Color
Hex	A9B5D8
RGB	169, 181, 216
RGB Percent	66%, 71%, 85%
CMY	0.3376, 0.2901, 0.1530
CMYK	0.22, 0.16, 0.00, 0.15
HSL	225°, 38%, 75%
HSV	225°, 22%, 85%
XYZ	45.2653, 46.4406, 71.5300
YIQ	181.4020, -18.3870, 8.3410

Conversions

Conversions Part 2

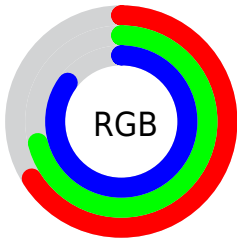
Format	Color
RYB	169, 179, 216
Decimal	11122136
CIELab	73.83, 3.26, -18.98
CIELCh	74, 19.260, 279.750
Yxy	46.4406, 0.2773, 0.2845
Android (android.graphics.Color)	4289312216 (0xFFA9B5D8)
YUV	181.4020, 17.0568, -10.8766
Hunter-Lab	68.1473, -0.6933, -14.5298

Details

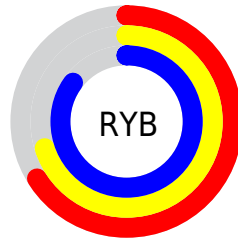
The Yxy color $46.4406, 0.2773, 0.2845$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $60.5817, 0.3482, 0.3699$, and the grayscale version is $46.3447, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.7959, 0.2943, 0.3106$, and $21.7246, 0.2674, 0.2720$ is the 20% darker color. If you saturate the color by 10%, you get $38.0958, 0.2592, 0.2603$, and if you desaturate by 10%, it is $55.9348, 0.2943, 0.3063$.

Distribution



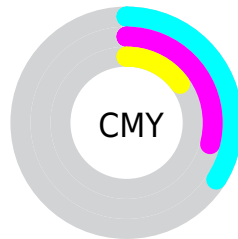
- Red (66%)
- Green (71%)
- Blue (85%)



- Red (66%)
- Yellow (70%)
- Blue (85%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (34%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4406, 0.2773, 0.2845 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 46.4406, 0.2773, 0.2845 by changing the saturation by 10% instead.

■ 46.4406, 0.2773,
0.2845

■ 46.4406, 0.2773,
0.2845

■ 372.5772, 0.2949,
0.3064

■ 32.5936, 0.2730,
0.2792

■ 84.8780, 0.2837,
0.2924

■ 21.8153, 0.2674,
0.2724

■ 110.2373, 0.2861,
0.2953

■ 13.7213, 0.2601,
0.2636

■ 140.2027, 0.2881,
0.2979

■ 7.9271, 0.2501,
0.2515

■ 175.1588, 0.2898,
0.3000

■ 4.0483, 0.2355,
0.2342

■ 215.4899, 0.2914,
0.3019

■ 1.7006, 0.2126,
0.2075

■ 261.5804, 0.2927,

■ 0.4241, 0.1635,

0.3036

0.1436

313.8147, 0.2939,
0.3051

0.0000, 0.0000,
0.0000

46.4406, 0.2773,
0.2845

46.4406, 0.2773,
0.2845

38.0958, 0.2592,
0.2603

55.9348, 0.2943,
0.3063

30.8500, 0.2405,
0.2341

66.6148, 0.3100,
0.3258

24.6573, 0.2217,
0.2064

78.5225, 0.3244,
0.3429

19.4662, 0.2038,
0.1782

91.6370, 0.3372,
0.3579

15.2205, 0.1875,
0.1506

97.7369, 0.3358,
0.3671

■ 11.8582, 0.1739,
0.1252

■ 9.3080, 0.1638,
0.1034

■ 7.7444, 0.1580,
0.0888

Harmonies

Analogous

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



46.4406, 0.2639, 0.2925



46.4406, 0.2773, 0.2845



46.4406, 0.3004, 0.2877

Triad

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



46.4406, 0.2773, 0.2845



46.4406, 0.3652, 0.3433



46.4406, 0.2965, 0.3600

Complementary

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



46.4406, 0.2773, 0.2845



60.5817, 0.3482, 0.3699

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.



46.4406, 0.3233, 0.3748



46.4406, 0.2773, 0.2845



46.4406, 0.3637, 0.3635

Square

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



46.4406, 0.2773, 0.2845



46.4406, 0.3518, 0.3206



46.4406, 0.3481, 0.3756



46.4406, 0.2746, 0.3360

Rectangle

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



46.4406, 0.2773, 0.2845



46.4406, 0.3186, 0.2954



46.4406, 0.3481, 0.3756



46.4406, 0.3052, 0.3663

Sweetspot

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



46.4425, 0.2773, 0.2845



88.6019, 0.3019, 0.3158



61.8602, 0.2881, 0.3445



18.7629, 0.3009, 0.3146



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.



46.4425, 0.2773, 0.2845



62.0279, 0.2694, 0.2740



42.9940, 0.2849, 0.2700



12.5230, 0.2982, 0.3112



4.7332, 0.1587, 0.0912



0.4199, 0.1681, 0.1252

Inverse Universe

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



46.2792, 0.3456, 0.3146



61.9709, 0.3543, 0.3115



64.9423, 0.3369, 0.3846



12.4727, 0.3251, 0.3230



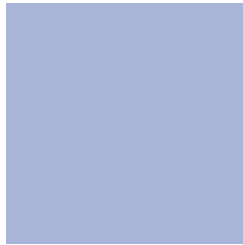
8.8227, 0.5893, 0.3020



0.5457, 0.5393, 0.2745

Previews

White Background



This preview shows how the Yxy color 46.4406, 0.2773, 0.2845 looks on a white background.

Color Contrast Check

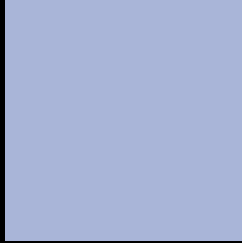
Large Text (above 18pt) WCAG AA × Fail

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 46.4406, 0.2773, 0.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

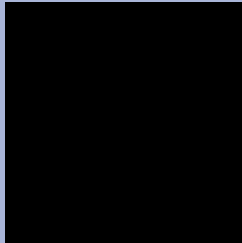
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4406, 0.2773, 0.2845

Background



This preview shows how black text looks on a background with the Yxy color 46.4406, 0.2773, 0.2845.



This preview shows how white text looks on a background with the Yxy color 46.4406, 0.2773, 0.2845.

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

46.4406, 0.2773, 0.2845

Protanopia

46.5475, 0.2817, 0.2848

Deuteranopia

46.2778, 0.2855, 0.2793



Tritanopia

46.5115, 0.2870, 0.3092

Trichromacy



Original Color

46.4406, 0.2773, 0.2845

Protanomaly

46.3195, 0.2802, 0.2846

Deuteranomaly

46.1977, 0.2825, 0.2802

Tritanomaly

46.4902, 0.2835, 0.3003

Monochromacy



Original Color

46.4406, 0.2773, 0.2845

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2899, 0.2993, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4406, 0.2773, 0.2845 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(169, 181, 216)` looks like.

```
.text, #text, p{  
    color:rgb(169, 181, 216)  
}
```

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(169, 181, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 181, 216) }
```

Border

The CSS property to change the border of an element to Yxy 46.4406, 0.2773, 0.2845 is called "border". The border property can be set on classes, ids or directly on the HTML element.

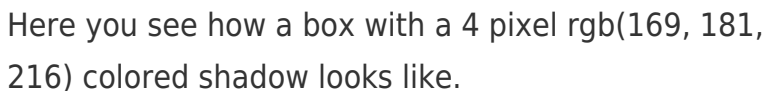
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 181, 216) }
```

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

```
.border{ border-color:rgb(169, 181, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 181, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 181, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 181, 216); box-shadow:4px 4px 4px 4px rgb(169, 181, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4406, 0.2773, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 181, 216) }
```

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

```
.background{ background-color: rgb(169,  
181, 216) }
```

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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