

Converting Colors

$Y_{xy}(46.4522, 0.2765, 0.2816)$

Have a look what the booklet for
Yxy(46.4522, 0.2765, 0.2816)
contains.

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Color

Yxy(46.6558, 0.2767, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	AAB5DA
RGB	170, 181, 218
RGB Percent	67%, 71%, 85%
CMY	0.3336, 0.2901, 0.1451
CMYK	0.22, 0.17, 0.00, 0.15
HSL	226°, 39%, 76%
HSV	226°, 22%, 85%
XYZ	45.7465, 46.6558, 72.9266
YIQ	181.9290, -18.4330, 9.1750

Conversions

Conversions Part 2

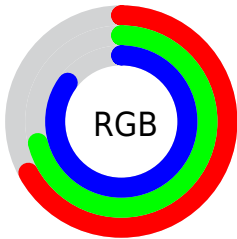
Format	Color
RYB	170, 179, 218
Decimal	11187674
CIELab	73.97, 4.04, -19.87
CIELCh	74, 20.275, 281.503
Yxy	46.6558, 0.2767, 0.2822
Android (android.graphics.Color)	4289377754 (0xFFAAB5DA)
YUV	181.9290, 17.7830, -10.4617
Hunter-Lab	68.3051, 0.0144, -15.4880

Details

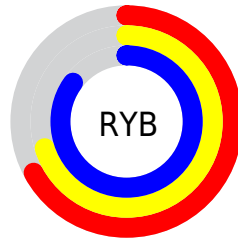
The Yxy color **46.6558, 0.2767, 0.2822** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **62.3942, 0.3484, 0.3718**, and the grayscale version is **46.6436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9571, 0.2949, 0.3106**, and **21.8646, 0.2666, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **38.0104, 0.2584, 0.2570**, and if you desaturate by 10%, it is **56.5292, 0.2939, 0.3049**.

Distribution



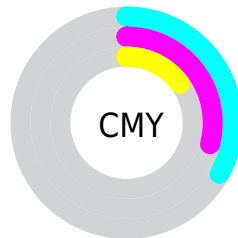
- Red (67%)
- Green (71%)
- Blue (85%)



- Red (67%)
- Yellow (70%)
- Blue (85%)



- Cyan (22%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (33%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6558, 0.2767, 0.2822 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 46.6558, 0.2767, 0.2822 by changing the saturation by 10% instead.

■ 46.6558, 0.2767,
0.2822

■ 46.6558, 0.2767,
0.2822

373.4389, 0.2946,
0.3052

■ 32.7636, 0.2723,
0.2766

■ 85.1996, 0.2832,
0.2904

■ 21.9454, 0.2667,
0.2696

110.6200, 0.2856,
0.2935

■ 13.8168, 0.2593,
0.2604

140.6520, 0.2877,
0.2962

■ 7.9934, 0.2491,
0.2479

175.6800, 0.2894,
0.2985

■ 4.0907, 0.2344,
0.2300

216.0882, 0.2910,
0.3005

■ 1.7244, 0.2114,
0.2028

262.2612, 0.2923,

■ 0.4394, 0.1647,

0.3022

0.1402

314.5833, 0.2935,
0.3038

0.0000, 0.0000,
0.0000

46.6558, 0.2767,
0.2822

46.6558, 0.2767,
0.2822

38.0104, 0.2584,
0.2570

56.5292, 0.2939,
0.3049

30.5383, 0.2394,
0.2298

67.6709, 0.3097,
0.3252

24.1893, 0.2203,
0.2011

80.1264, 0.3240,
0.3430

18.9069, 0.2020,
0.1720

93.5291, 0.3355,
0.3586

14.6295, 0.1856,
0.1439

97.8422, 0.3345,
0.3651

■ 11.2888, 0.1720,
0.1184

■ 8.8066, 0.1620,
0.0970

■ 7.3661, 0.1565,
0.0835

Harmonies

Analogous

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



46.6558, 0.2620, 0.2899



46.6558, 0.2767, 0.2822



46.6558, 0.3013, 0.2862

Triad

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



46.6558, 0.2767, 0.2822



46.6558, 0.3683, 0.3453



46.6558, 0.2941, 0.3604

Complementary

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



46.6558, 0.2767, 0.2822



62.3942, 0.3484, 0.3718

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.



46.6558, 0.3221, 0.3767



46.6558, 0.2767, 0.2822



46.6558, 0.3657, 0.3662

Square

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



46.6558, 0.2767, 0.2822



46.6558, 0.3550, 0.3215



46.6558, 0.3485, 0.3784



46.6558, 0.2717, 0.3347

Rectangle

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



46.6558, 0.2767, 0.2822



46.6558, 0.3205, 0.2947



46.6558, 0.3485, 0.3784



46.6558, 0.3031, 0.3672

Sweetspot

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



46.6577, 0.2767, 0.2822



88.3183, 0.3019, 0.3153



63.1792, 0.2868, 0.3427



18.6974, 0.3010, 0.3141



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.



46.6577, 0.2767, 0.2822



61.1798, 0.2692, 0.2720



43.8261, 0.2858, 0.2694



13.1019, 0.2981, 0.3105



4.5489, 0.1572, 0.0857



0.4264, 0.1657, 0.1166

Inverse Universe

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



46.9697, 0.3472, 0.3159



61.8852, 0.3558, 0.3133



66.0510, 0.3359, 0.3855



13.1005, 0.3256, 0.3236



9.0830, 0.5979, 0.3067



0.6017, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 46.6558, 0.2767, 0.2822 looks on a white background.

Color Contrast Check

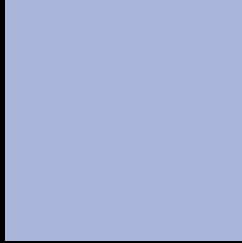
Large Text (above 18pt) WCAG AA × Fail

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 46.6558, 0.2767, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

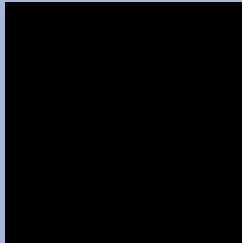
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6558, 0.2767, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 46.6558, 0.2767, 0.2822.



This preview shows how white text looks on a background with the Yxy color 46.6558, 0.2767, 0.2822.

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

46.6558, 0.2767, 0.2822

Protanopia

46.6509, 0.2803, 0.2825

Deuteranopia

46.7790, 0.2842, 0.2783



Tritanopia

46.5115, 0.2870, 0.3092

Trichromacy



Original Color

46.6558, 0.2767, 0.2822

Protanomaly

46.5365, 0.2796, 0.2824

Deuteranomaly

46.7018, 0.2812, 0.2792

Tritanomaly

46.5387, 0.2828, 0.2991

Monochromacy



Original Color

46.6558, 0.2767, 0.2822

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8610, 0.2994, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6558, 0.2767, 0.2822 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(170, 181, 218)` looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 218)  
}
```

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(170, 181, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 218) }
```

Border

The CSS property to change the border of an element to Yxy 46.6558, 0.2767, 0.2822 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(170, 181, 218) }
```

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

```
.border{ border-color:rgb(170, 181, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 181, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 181, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 181, 218);  
box-shadow:4px 4px 4px 4px rgb(170, 181,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6558, 0.2767, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 181, 218) }
```

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

```
.background{ background-color: rgb(170,  
181, 218) }
```

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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