

Converting Colors

$Yxy(46.2015, 0.2847, 0.2877)$

Have a look what the booklet for
Yxy(46.2015, 0.2847, 0.2877)
contains.

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Color

Yxy(46.1076, 0.2845, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	AFB3D4
RGB	175, 179, 212
RGB Percent	69%, 70%, 83%
CMY	0.3136, 0.2981, 0.1685
CMYK	0.17, 0.16, 0.00, 0.17
HSL	234°, 30%, 76%
HSV	234°, 17%, 83%
XYZ	45.6900, 46.1076, 68.8001
YIQ	181.5660, -12.9770, 9.4150

Conversions

Conversions Part 2

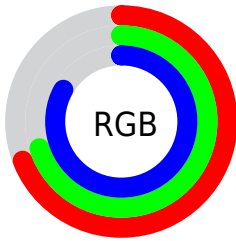
Format	Color
R_{YB}	175, 179, 212
Decimal	11514836
CIE _{Lab}	73.62, 5.41, -17.11
CIE _{LCh}	74, 17.947, 287.534
Yxy	46.1076, 0.2845, 0.2871
Android (android.graphics.Color)	4289704916 (0xFFAFB3D4)
YUV	181.5660, 15.0040, -5.7584
Hunter-Lab	67.9026, 1.2789, -12.5418

Details

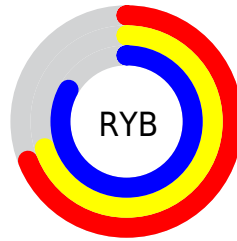
The Yxy color $46.1076, 0.2845, 0.2871$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $62.2417, 0.3395, 0.3677$, and the grayscale version is $46.4567, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.6256, 0.2980, 0.3088$, and $21.4936, 0.2767, 0.2756$ is the 20% darker color. If you saturate the color by 10%, you get $36.7712, 0.2660, 0.2590$, and if you desaturate by 10%, it is $56.8746, 0.3013, 0.3122$.

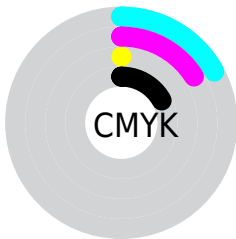
Distribution



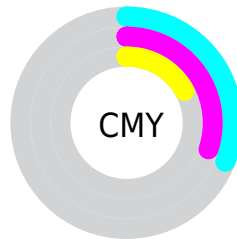
- Red (69%)
- Green (70%)
- Blue (83%)



- Red (69%)
- Yellow (70%)
- Blue (83%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1076, 0.2845, 0.2871 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 46.1076, 0.2845, 0.2871 by changing the saturation by 10% instead.

■ 46.1076, 0.2845,
0.2871

■ 46.1076, 0.2845,
0.2871

371.2411, 0.2986,
0.3077

■ 32.3307, 0.2810,
0.2821

■ 84.3800, 0.2896,
0.2945

■ 21.6142, 0.2765,
0.2757

109.6443, 0.2916,
0.2973

■ 13.5737, 0.2705,
0.2674

139.5066, 0.2932,
0.2997

■ 7.8248, 0.2623,
0.2560

174.3513, 0.2946,
0.3017

■ 3.9830, 0.2501,
0.2396

214.5626, 0.2958,
0.3035

■ 1.6641, 0.2306,
0.2142

260.5251, 0.2969,

■ 0.4002, 0.1890,

0.3051

0.1476

312.6231, 0.2978,
0.3065

0.0000, 0.0000,
0.0000

46.1076, 0.2845,
0.2871

46.1076, 0.2845,
0.2871

36.7712, 0.2660,
0.2590

56.8746, 0.3013,
0.3122

28.7998, 0.2462,
0.2284

69.1232, 0.3164,
0.3344

22.1307, 0.2258,
0.1961

82.9085, 0.3297,
0.3536

16.6944, 0.2057,
0.1635

97.3522, 0.3382,
0.3708

12.4147, 0.1871,
0.1324

97.5351, 0.3381,
0.3710

■ 9.2070, 0.1715,
0.1052

■ 6.9747, 0.1601,
0.0838

■ 5.5995, 0.1532,
0.0694

■ 5.3574, 0.1519,
0.0668

Harmonies

Analogous

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



46.1076, 0.2692, 0.2920



46.1076, 0.2845, 0.2871



46.1076, 0.3077, 0.2926

Triad

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



46.1076, 0.2845, 0.2871



46.1076, 0.3627, 0.3478



46.1076, 0.2916, 0.3526

Complementary

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



46.1076, 0.2845, 0.2871



62.2417, 0.3395, 0.3677

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.



46.1076, 0.3161, 0.3692



46.1076, 0.2845, 0.2871



46.1076, 0.3577, 0.3652

Square

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



46.1076, 0.2845, 0.2871



46.1076, 0.3536, 0.3267



46.1076, 0.3404, 0.3736



46.1076, 0.2732, 0.3293

Rectangle

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



46.1076, 0.2845, 0.2871



46.1076, 0.3249, 0.3013



46.1076, 0.3404, 0.3736



46.1076, 0.2994, 0.3593

Sweetspot

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



46.1095, 0.2845, 0.2871



90.6126, 0.3051, 0.3178



60.7605, 0.2893, 0.3342



19.1224, 0.3040, 0.3162



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.



46.1095, 0.2845, 0.2871



64.4184, 0.2777, 0.2769



46.2709, 0.2957, 0.2835



12.2209, 0.2981, 0.3075



3.3775, 0.1522, 0.0680



0.2779, 0.1581, 0.0891

Inverse Universe

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



47.9262, 0.3426, 0.3243



67.7578, 0.3507, 0.3232



62.1846, 0.3277, 0.3737



12.4422, 0.3274, 0.3265



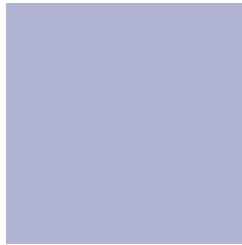
8.6858, 0.6265, 0.3225



0.5314, 0.5925, 0.3038

Previews

White Background



This preview shows how the Yxy color 46.1076, 0.2845, 0.2871 looks on a white background.

Color Contrast Check

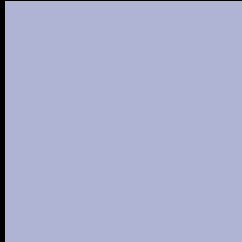
Large Text (above 18pt) WCAG AA × Fail

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 46.1076, 0.2845, 0.2871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

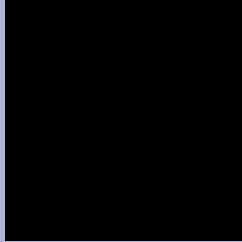
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1076, 0.2845, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 46.1076, 0.2845, 0.2871.



This preview shows how white text looks on a background with the Yxy color 46.1076, 0.2845, 0.2871.

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

46.1076, 0.2845, 0.2871

Protanopia

45.9923, 0.2837, 0.2871

Deuteranopia

45.9220, 0.2899, 0.2829



Tritanopia

46.2121, 0.2938, 0.3107

Trichromacy



Original Color

46.1076, 0.2845, 0.2871

Protanomaly

45.9923, 0.2837, 0.2871

Deuteranomaly

45.9517, 0.2876, 0.2839

Tritanomaly

46.1963, 0.2902, 0.3018

Monochromacy



Original Color

46.1076, 0.2845, 0.2871

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4817, 0.3017, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1076, 0.2845, 0.2871 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(175, 179, 212)` looks like.

```
.text, #text, p{  
    color:rgb(175, 179, 212)  
}
```

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(175, 179, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 179, 212) }
```

Border

The CSS property to change the border of an element to Yxy 46.1076, 0.2845, 0.2871 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(175, 179, 212) }
```

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

```
.border{ border-color:rgb(175, 179, 212) }
```

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

Here you see how a box with a 4 pixel rgb(175, 179, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 179, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 179, 212);  
box-shadow:4px 4px 4px 4px rgb(175, 179,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1076, 0.2845, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 179, 212) }
```

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

```
.background{ background-color: rgb(175,  
179, 212) }
```

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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