

Converting Colors

$Yxy(46.4697, 0.2798, 0.2877)$

Have a look what the booklet for
Yxy(46.4697, 0.2798, 0.2877)
contains.

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Color

Yxy(46.3979, 0.2801, 0.2881)

Conversions

Conversions Part 1

Format	Color
Hex	AAB5D5
RGB	170, 181, 213
RGB Percent	67%, 71%, 84%
CMY	0.3334, 0.2902, 0.1646
CMYK	0.20, 0.15, 0.00, 0.16
HSL	225°, 34%, 75%
HSV	225°, 20%, 84%
XYZ	45.1095, 46.3979, 69.5405
YIQ	181.3590, -16.8280, 7.6200

Conversions

Conversions Part 2

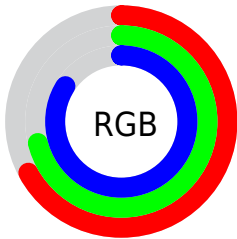
Format	Color
RYB	170, 179, 213
Decimal	11187669
CIELab	73.80, 2.93, -17.40
CIELCh	74, 17.648, 279.563
Yxy	46.3979, 0.2801, 0.2881
Android (android.graphics.Color)	4289377749 (0xFFAAB5D5)
YUV	181.3590, 15.5990, -9.9618
Hunter-Lab	68.1160, -0.9922, -12.8487

Details

The Yxy color $46.3979, 0.2801, 0.2881$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $59.2857, 0.3454, 0.3668$, and the grayscale version is $46.3331, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9571, 0.2949, 0.3106$, and $21.6889, 0.2710, 0.2769$ is the 20% darker color. If you saturate the color by 10%, you get $38.1343, 0.2622, 0.2643$, and if you desaturate by 10%, it is $55.7826, 0.2969, 0.3096$.

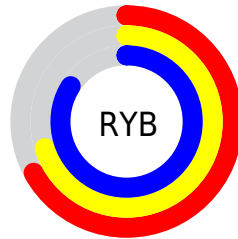
Distribution



Red (67%)

Green (71%)

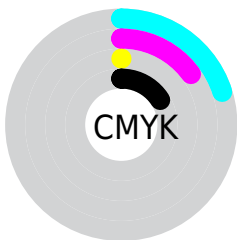
Blue (84%)



Red (67%)

Yellow (70%)

Blue (84%)

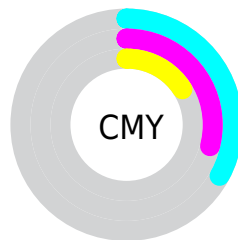


Cyan (20%)

Magenta (15%)

Yellow (0%)

Black (16%)



Cyan (33%)

Magenta (29%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3979, 0.2801, 0.2881 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 46.3979, 0.2801, 0.2881 by changing the saturation by 10% instead.

■ 46.3979, 0.2801,
0.2881

■ 46.3979, 0.2801,
0.2881

372.4060, 0.2963,
0.3083

■ 32.5599, 0.2761,
0.2832

■ 84.8142, 0.2860,
0.2954

■ 21.7895, 0.2710,
0.2769

110.1613, 0.2882,
0.2981

■ 13.7023, 0.2642,
0.2687

140.1135, 0.2901,
0.3004

■ 7.9139, 0.2549,
0.2575

175.0553, 0.2917,
0.3024

■ 4.0399, 0.2413,
0.2413

215.3711, 0.2931,
0.3042

■ 1.6959, 0.2197,
0.2160

261.4452, 0.2943,

■ 0.4210, 0.1711,

0.3057

0.1527

313.6621, 0.2954,
0.3071

■ 0.0000, 0.0000,
0.0000

■ 46.3979, 0.2801,
0.2881

■ 46.3979, 0.2801,
0.2881

■ 38.1343, 0.2622,
0.2643

■ 55.7826, 0.2969,
0.3096

■ 30.9432, 0.2435,
0.2383

■ 66.3231, 0.3124,
0.3286

■ 24.7807, 0.2247,
0.2108

■ 78.0599, 0.3265,
0.3454

■ 19.5974, 0.2066,
0.1826

■ 90.9945, 0.3392,
0.3601

■ 15.3399, 0.1900,
0.1548

■ 97.5850, 0.3375,
0.3701

■ 11.9489, 0.1759,
0.1290

■ 9.3572, 0.1652,
0.1065

■ 7.4989, 0.1580,
0.0887

Harmonies

Analogous

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



46.3979, 0.2678, 0.2957



46.3979, 0.2801, 0.2881



46.3979, 0.3013, 0.2909

Triad

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



46.3979, 0.2801, 0.2881



46.3979, 0.3607, 0.3421



46.3979, 0.2980, 0.3574

Complementary

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



46.3979, 0.2801, 0.2881



59.2857, 0.3454, 0.3668

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.



46.3979, 0.3227, 0.3709



46.3979, 0.2801, 0.2881



46.3979, 0.3595, 0.3607

Square

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



46.3979, 0.2801, 0.2881



46.3979, 0.3484, 0.3213



46.3979, 0.3453, 0.3717



46.3979, 0.2779, 0.3356

Rectangle

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



46.3979, 0.2801, 0.2881



46.3979, 0.3180, 0.2980



46.3979, 0.3453, 0.3717



46.3979, 0.3060, 0.3632

Sweetspot

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



46.3998, 0.2801, 0.2881



90.1664, 0.3035, 0.3178



60.3839, 0.2898, 0.3432



19.0786, 0.3025, 0.3165



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.



46.3998, 0.2801, 0.2881



64.5020, 0.2730, 0.2788



43.2520, 0.2872, 0.2748



12.5209, 0.2982, 0.3111



4.7200, 0.1586, 0.0910



0.4189, 0.1681, 0.1249

Inverse Universe

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



46.2266, 0.3426, 0.3158



64.3821, 0.3503, 0.3130



63.1923, 0.3351, 0.3803



12.4725, 0.3251, 0.3230



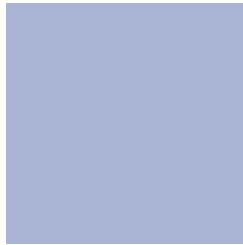
8.8213, 0.5896, 0.3022



0.5456, 0.5397, 0.2747

Previews

White Background



This preview shows how the Yxy color 46.3979, 0.2801, 0.2881 looks on a white background.

Color Contrast Check

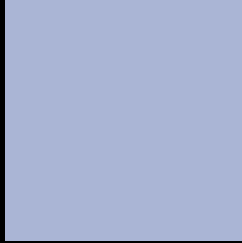
Large Text (above 18pt) WCAG AA × Fail

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 46.3979, 0.2801, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

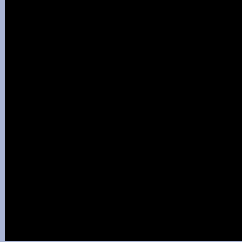
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3979, 0.2801, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 46.3979, 0.2801, 0.2881.



This preview shows how white text looks on a background with the Yxy color 46.3979, 0.2801, 0.2881.

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

46.3979, 0.2801, 0.2881

Protanopia

46.5099, 0.2846, 0.2885

Deuteranopia

46.3666, 0.2893, 0.2830



Tritanopia

46.5737, 0.2885, 0.3105

Trichromacy



Original Color

46.3979, 0.2801, 0.2881

Protanomaly

46.2802, 0.2830, 0.2883

Deuteranomaly

46.1608, 0.2854, 0.2838

Tritanomaly

46.5036, 0.2857, 0.3029

Monochromacy



Original Color

46.3979, 0.2801, 0.2881

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2451, 0.3001, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3979, 0.2801, 0.2881 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(170, 181, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 181, 213) }
```

Border

The CSS property to change the border of an element to Yxy 46.3979, 0.2801, 0.2881 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, 213) }
```

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

```
.border{ border-color:rgb(170, 181, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 181, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 181, 213);  
box-shadow:4px 4px 4px 4px rgb(170, 181,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3979, 0.2801, 0.2881 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, 213) }
```

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

```
.background{ background-color: rgb(170,  
181, 213) }
```

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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