

Converting Colors

$Y_{xy}(46.6009, 0.2782, 0.2799)$

Have a look what the booklet for
Yxy(46.6009, 0.2782, 0.2799)
contains.

Yxy(46.6412, 0.2782, 0.2800)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.6412, 0.2782, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	ADB4DB
RGB	173, 180, 219
RGB Percent	68%, 71%, 86%
CMY	0.3216, 0.2941, 0.1411
CMYK	0.21, 0.18, 0.00, 0.14
HSL	231°, 39%, 77%
HSV	231°, 21%, 86%
XYZ	46.3414, 46.6412, 73.5932
YIQ	182.3530, -16.6910, 10.6450

Conversions

Conversions Part 2

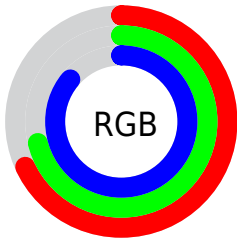
Format	Color
R _Y B	173, 179, 219
Decimal	11384027
CIE Lab	73.96, 5.77, -20.42
CIE LCh	74, 21.216, 285.794
Yxy	46.6412, 0.2782, 0.2800
Android (android.graphics.Color)	4289574107 (0xFFADB4DB)
YUV	182.3530, 18.0670, -8.2026
Hunter-Lab	68.2944, 1.6066, -16.0841

Details

The Yxy color $46.6412, 0.2782, 0.2800$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $65.1720, 0.3458, 0.3737$, and the grayscale version is $46.8885, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.8689, 0.2968, 0.3097$, and $21.8521, 0.2685, 0.2663$ is the 20% darker color. If you saturate the color by 10%, you get $37.3469, 0.2595, 0.2524$, and if you desaturate by 10%, it is $57.3525, 0.2955, 0.3049$.

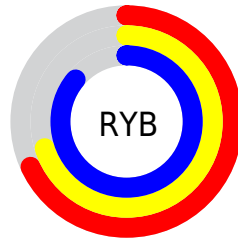
Distribution



Red (68%)

Green (71%)

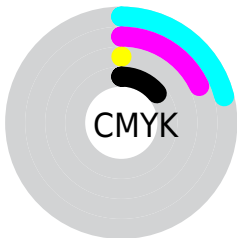
Blue (86%)



Red (68%)

Yellow (70%)

Blue (86%)

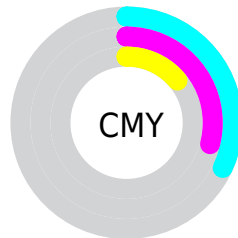


Cyan (21%)

Magenta (18%)

Yellow (0%)

Black (14%)



Cyan (32%)

Magenta (29%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6412, 0.2782, 0.2800 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 46.6412, 0.2782, 0.2800 by changing the saturation by 10% instead.

■ 46.6412, 0.2782,
0.2800

■ 46.6412, 0.2782,
0.2800

373.3805, 0.2954,
0.3039

■ 32.7521, 0.2740,
0.2742

■ 85.1778, 0.2844,
0.2886

■ 21.9366, 0.2685,
0.2669

110.5941, 0.2868,
0.2918

■ 13.8103, 0.2614,
0.2574

140.6216, 0.2887,
0.2946

■ 7.9889, 0.2516,
0.2445

175.6446, 0.2905,
0.2970

■ 4.0878, 0.2373,
0.2262

216.0476, 0.2919,
0.2991

■ 1.7228, 0.2150,
0.1984

262.2150, 0.2932,

■ 0.4384, 0.1721,

0.3009

0.1353

314.5312, 0.2944,
0.3025

0.0000, 0.0000,
0.0000

46.6412, 0.2782,
0.2800

46.6412, 0.2782,
0.2800

37.3469, 0.2595,
0.2524

57.3525, 0.2955,
0.3049

29.4045, 0.2397,
0.2226

69.5311, 0.3112,
0.3269

22.7519, 0.2197,
0.1913

83.2319, 0.3253,
0.3462

17.3202, 0.2004,
0.1600

97.4275, 0.3340,
0.3634

13.0336, 0.1831,
0.1305

97.8957, 0.3339,
0.3641

■ 9.8079, 0.1689,
0.1046

■ 7.5464, 0.1588,
0.0843

■ 6.2241, 0.1532,
0.0715

Harmonies

Analogous

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



46.6412, 0.2612, 0.2862



46.6412, 0.2782, 0.2800



46.6412, 0.3050, 0.2859

Triad

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



46.6412, 0.2782, 0.2800



46.6412, 0.3715, 0.3494



46.6412, 0.2893, 0.3584

Complementary

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



46.6412, 0.2782, 0.2800



65.1720, 0.3458, 0.3737

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.



46.6412, 0.3182, 0.3775



46.6412, 0.2782, 0.2800



46.6412, 0.3664, 0.3704

Square

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



46.6412, 0.2782, 0.2800



46.6412, 0.3599, 0.3246



46.6412, 0.3466, 0.3814



46.6412, 0.2673, 0.3308

Rectangle

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



46.6412, 0.2782, 0.2800



46.6412, 0.3252, 0.2956



46.6412, 0.3466, 0.3814



46.6412, 0.2985, 0.3662

Sweetspot

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



46.6431, 0.2782, 0.2800



89.2156, 0.3035, 0.3162



64.2790, 0.2861, 0.3382



18.8546, 0.3025, 0.3147



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.



46.6431, 0.2782, 0.2800



60.0850, 0.2705, 0.2687



45.7331, 0.2897, 0.2729



12.9358, 0.2981, 0.3086



3.7902, 0.1537, 0.0732



0.3483, 0.1608, 0.0987

Inverse Universe

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



48.2426, 0.3485, 0.3208



62.8461, 0.3578, 0.3191



66.4838, 0.3325, 0.3832



13.0837, 0.3268, 0.3255



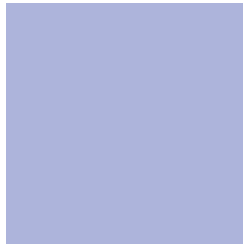
9.0064, 0.6180, 0.3178



0.5938, 0.5778, 0.2956

Previews

White Background



This preview shows how the Yxy color 46.6412, 0.2782, 0.2800 looks on a white background.

Color Contrast Check

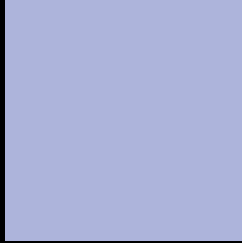
Large Text (above 18pt) WCAG AA × Fail

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 46.6412, 0.2782, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

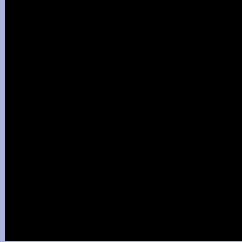
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6412, 0.2782, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 46.6412, 0.2782, 0.2800.



This preview shows how white text looks on a background with the Yxy color 46.6412, 0.2782, 0.2800.

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

46.6412, 0.2782, 0.2800

Protanopia

46.6412, 0.2782, 0.2800

Deuteranopia

46.7114, 0.2827, 0.2771



Tritanopia

46.7932, 0.2901, 0.3106

Trichromacy



Original Color

46.6412, 0.2782, 0.2800

Protanomaly

46.6412, 0.2782, 0.2800

Deuteranomaly

46.7546, 0.2805, 0.2780

Tritanomaly

46.8693, 0.2851, 0.2993

Monochromacy



Original Color

46.6412, 0.2782, 0.2800

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5716, 0.3002, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6412, 0.2782, 0.2800 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(173, 180, 219)` looks like.

```
.text, #text, p{  
    color:rgb(173, 180, 219)  
}
```

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(173, 180, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 180, 219) }
```

Border

The CSS property to change the border of an element to Yxy 46.6412, 0.2782, 0.2800 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(173, 180, 219) }
```

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

```
.border{ border-color:rgb(173, 180, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 180, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 180, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 180, 219);  
box-shadow:4px 4px 4px 4px rgb(173, 180,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6412, 0.2782, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 180, 219) }
```

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

```
.background{ background-color: rgb(173,  
180, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor