

Converting Colors

$Yxy(45.8105, 0.2787, 0.2788)$

Have a look what the booklet for
Yxy(45.8105, 0.2787, 0.2788)
contains.

Yxy(45.7870, 0.2787, 0.2786)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7870, 0.2787, 0.2786)

Conversions

Conversions Part 1

Format	Color
Hex	ADB2DA
RGB	173, 178, 218
RGB Percent	68%, 70%, 85%
CMY	0.3217, 0.3019, 0.1451
CMYK	0.21, 0.18, 0.00, 0.15
HSL	233°, 38%, 77%
HSV	233°, 21%, 85%
XYZ	45.8034, 45.7870, 72.7563
YIQ	181.0650, -15.8200, 11.3800

Conversions

Conversions Part 2

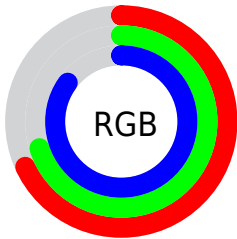
Format	Color
RYB	173, 178, 218
Decimal	11383514
CIELab	73.41, 6.63, -20.70
CIELCh	73, 21.736, 287.754
Yxy	45.7870, 0.2787, 0.2786
Android (android.graphics.Color)	4289573594 (0xFFADB2DA)
YUV	181.0650, 18.2090, -7.0730
Hunter-Lab	67.6661, 2.4117, -16.3838

Details

The Yxy color $45.7870, 0.2787, 0.2786$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $65.4896, 0.3448, 0.3748$, and the grayscale version is $46.1500, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.7237, 0.2967, 0.3077$, and $21.3046, 0.2691, 0.2643$ is the 20% darker color. If you saturate the color by 10%, you get $36.3356, 0.2597, 0.2498$, and if you desaturate by 10%, it is $56.7346, 0.2961, 0.3046$.

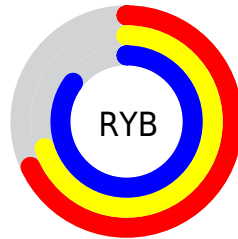
Distribution



Red (68%)

Green (70%)

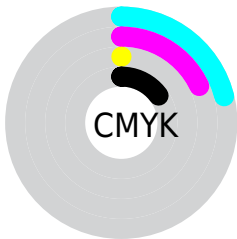
Blue (85%)



Red (68%)

Yellow (70%)

Blue (85%)

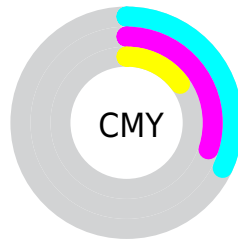


Cyan (21%)

Magenta (18%)

Yellow (0%)

Black (15%)



Cyan (32%)

Magenta (30%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7870, 0.2787, 0.2786 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 45.7870, 0.2787, 0.2786 by changing the saturation by 10% instead.

■ 45.7870, 0.2787,
0.2786

■ 45.7870, 0.2787,
0.2786

369.9517, 0.2957,
0.3033

■ 32.0778, 0.2745,
0.2726

■ 83.9001, 0.2849,
0.2874

■ 21.4209, 0.2691,
0.2651

109.0728, 0.2872,
0.2908

■ 13.4320, 0.2619,
0.2553

138.8355, 0.2892,
0.2936

■ 7.7267, 0.2521,
0.2419

173.5725, 0.2908,
0.2961

■ 3.9206, 0.2378,
0.2230

213.6682, 0.2923,
0.2982

■ 1.6292, 0.2151,
0.1942

259.5070, 0.2936,

■ 0.3772, 0.1700,

0.3001

0.1233

311.4734, 0.2947,
0.3018

0.0000, 0.0000,
0.0000

45.7870, 0.2787,
0.2786

45.7870, 0.2787,
0.2786

36.3356, 0.2597,
0.2498

56.7346, 0.2961,
0.3046

28.3098, 0.2397,
0.2186

69.2337, 0.3117,
0.3276

21.6419, 0.2192,
0.1861

83.3438, 0.3256,
0.3477

16.2562, 0.1995,
0.1538

97.8422, 0.3345,
0.3651

12.0695, 0.1818,
0.1238

■ 8.9889, 0.1674,
0.0982

■ 6.9072, 0.1574,
0.0788

■ 5.7334, 0.1520,
0.0671

Harmonies

Analogous

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



45.7870, 0.2604, 0.2840



45.7870, 0.2787, 0.2786



45.7870, 0.3067, 0.2854

Triad

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



45.7870, 0.2787, 0.2786



45.7870, 0.3736, 0.3515



45.7870, 0.2868, 0.3577

Complementary

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



45.7870, 0.2787, 0.2786



65.4896, 0.3448, 0.3748

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.



45.7870, 0.3163, 0.3782



45.7870, 0.2787, 0.2786



45.7870, 0.3671, 0.3727

Square

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



45.7870, 0.2787, 0.2786



45.7870, 0.3626, 0.3261



45.7870, 0.3459, 0.3833



45.7870, 0.2649, 0.3289

Rectangle

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



45.7870, 0.2787, 0.2786



45.7870, 0.3276, 0.2959



45.7870, 0.3459, 0.3833



45.7870, 0.2961, 0.3659

Sweetspot

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



45.7889, 0.2787, 0.2786



88.8491, 0.3035, 0.3156



63.8175, 0.2852, 0.3353



18.7683, 0.3025, 0.3140



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.



45.7889, 0.2787, 0.2786



58.8973, 0.2702, 0.2658



45.9135, 0.2920, 0.2742



12.8509, 0.2981, 0.3076



3.5131, 0.1524, 0.0684



0.3081, 0.1581, 0.0890

Inverse Universe

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



47.9955, 0.3493, 0.3231



62.7262, 0.3599, 0.3217



65.5430, 0.3305, 0.3825



13.0751, 0.3274, 0.3264



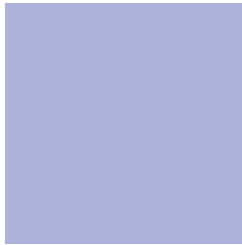
8.9784, 0.6259, 0.3221



0.5898, 0.5927, 0.3038

Previews

White Background



This preview shows how the Yxy color 45.7870, 0.2787, 0.2786 looks on a white background.

Color Contrast Check

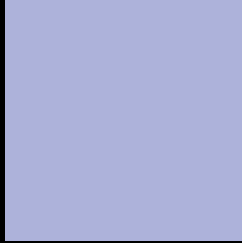
Large Text (above 18pt) WCAG AA × Fail

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 45.7870, 0.2787, 0.2786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

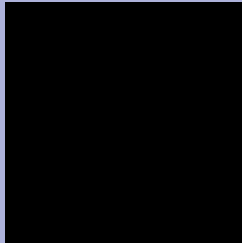
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7870, 0.2787, 0.2786

Background



This preview shows how black text looks on a background with the Yxy color 45.7870, 0.2787, 0.2786.



This preview shows how white text looks on a background with the Yxy color 45.7870, 0.2787, 0.2786.

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

45.7870, 0.2787, 0.2786

Protanopia

45.5607, 0.2772, 0.2784

Deuteranopia

45.6963, 0.2832, 0.2767



Tritanopia

45.8764, 0.2914, 0.3105

Trichromacy



Original Color

45.7870, 0.2787, 0.2786

Protanomaly

45.6734, 0.2780, 0.2785

Deuteranomaly

45.8533, 0.2817, 0.2777

Tritanomaly

45.9534, 0.2864, 0.2991

Monochromacy



Original Color

45.7870, 0.2787, 0.2786

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0025, 0.3001, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7870, 0.2787, 0.2786 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, 178, 218)` looks like.

```
.text, #text, p{  
    color:rgb(173, 178, 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(173, 178, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 178, 218) }
```

Border

The CSS property to change the border of an element to Yxy 45.7870, 0.2787, 0.2786 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, 178, 218) }
```

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

```
.border{ border-color:rgb(173, 178, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 178, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 178, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 178, 218);  
box-shadow:4px 4px 4px 4px rgb(173, 178,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7870, 0.2787, 0.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 178, 218) }
```

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

```
.background{ background-color: rgb(173,  
178, 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](#).

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