

Converting Colors

$Y_{xy}(50.0820, 0.2724, 0.2776)$

Have a look what the booklet for
Yxy(50.0820, 0.2724, 0.2776)
contains.

Yxy(50.0820, 0.2724, 0.2776)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.0820, 0.2724, 0.2776)

Conversions

Conversions Part 1

Format	Color
Hex	ADBBE5
RGB	173, 187, 229
RGB Percent	68%, 73%, 90%
CMY	0.3216, 0.2666, 0.1021
CMYK	0.24, 0.18, 0.00, 0.10
HSL	225°, 52%, 79%
HSV	225°, 24%, 90%
XYZ	49.1439, 50.0820, 81.1848
YIQ	187.6020, -21.8260, 10.0940

Conversions

Conversions Part 2

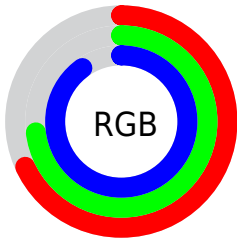
Format	Color
RYB	173, 184, 229
Decimal	11385829
CIELab	76.12, 4.24, -22.53
CIELCh	76, 22.926, 280.666
Yxy	50.0820, 0.2724, 0.2776
Android (android.graphics.Color)	4289575909 (0xFFADBBE5)
YUV	187.6020, 20.4092, -12.8060
Hunter-Lab	70.7686, 0.1106, -18.4786

Details

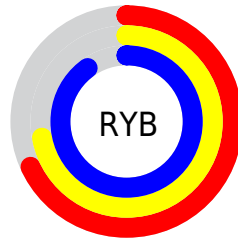
The Yxy color **50.0820, 0.2724, 0.2776** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.2566, 0.3529, 0.3756**, and the grayscale version is **49.9443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9792, 0.2968, 0.3169**, and **24.0604, 0.2623, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **40.8387, 0.2540, 0.2525**, and if you desaturate by 10%, it is **60.6475, 0.2898, 0.3004**.

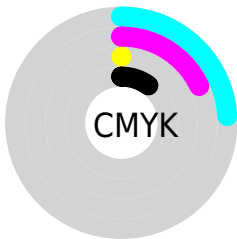
Distribution



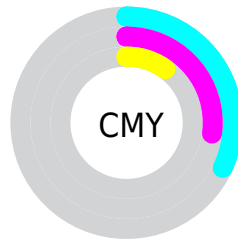
- Red (68%)
- Green (73%)
- Blue (90%)



- Red (68%)
- Yellow (72%)
- Blue (90%)



- Cyan (24%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)



- Cyan (32%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0820, 0.2724, 0.2776 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 50.0820, 0.2724, 0.2776 by changing the saturation by 10% instead.

■ 50.0820, 0.2724,
0.2776

■ 50.0820, 0.2724,
0.2776

386.9865, 0.2922,
0.3024

■ 35.4786, 0.2676,
0.2717

■ 90.2964, 0.2795,
0.2864

■ 24.0317, 0.2616,
0.2642

116.6761, 0.2822,
0.2898

■ 15.3572, 0.2537,
0.2546

147.7500, 0.2844,
0.2927

■ 9.0704, 0.2431,
0.2418

183.9025, 0.2864,
0.2952

■ 4.7872, 0.2280,
0.2238

225.5180, 0.2881,
0.2973

■ 2.1229, 0.2051,
0.1971

272.9809, 0.2896,

■ 0.6775, 0.1674,

0.2992

0.1518

326.6756, 0.2910,
0.3009

0.0000, 0.0000,
0.0000

50.0820, 0.2724,
0.2776

50.0820, 0.2724,
0.2776

40.8387, 0.2540,
0.2525

60.6475, 0.2898,
0.3004

32.8583, 0.2350,
0.2254

72.5795, 0.3060,
0.3207

26.0855, 0.2162,
0.1971

85.9274, 0.3207,
0.3387

20.4587, 0.1985,
0.1686

98.4356, 0.3280,
0.3542

15.9100, 0.1828,
0.1413

■ 12.3638, 0.1701,
0.1167

■ 9.7328, 0.1611,
0.0962

■ 8.6103, 0.1575,
0.0868

Harmonies

Analogous

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



50.0820, 0.2567, 0.2862



50.0820, 0.2724, 0.2776



50.0820, 0.2992, 0.2818

Triad

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



50.0820, 0.2724, 0.2776



50.0820, 0.3740, 0.3460



50.0820, 0.2928, 0.3645

Complementary

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



50.0820, 0.2724, 0.2776



68.2566, 0.3529, 0.3756

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.



50.0820, 0.3238, 0.3823



50.0820, 0.2724, 0.2776



50.0820, 0.3715, 0.3693

Square

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



50.0820, 0.2724, 0.2776



50.0820, 0.3589, 0.3199



50.0820, 0.3528, 0.3834



50.0820, 0.2680, 0.3360

Rectangle

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



50.0820, 0.2724, 0.2776



50.0820, 0.3204, 0.2909



50.0820, 0.3528, 0.3834



50.0820, 0.3029, 0.3720

Sweetspot

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



50.0840, 0.2724, 0.2776



88.5262, 0.3019, 0.3157



69.7659, 0.2852, 0.3467



18.7455, 0.3009, 0.3145



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.



50.0840, 0.2724, 0.2776



58.1509, 0.2638, 0.2660



45.9915, 0.2808, 0.2617



14.4701, 0.2980, 0.3108



5.0853, 0.1581, 0.0892



0.5208, 0.1658, 0.1170

Inverse Universe

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



50.1305, 0.3512, 0.3132



58.4773, 0.3612, 0.3099



73.6268, 0.3399, 0.3919



14.4269, 0.3253, 0.3231



9.7111, 0.5924, 0.3037



0.7322, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 50.0820, 0.2724, 0.2776 looks on a white background.

Color Contrast Check

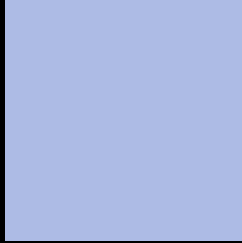
Large Text (above 18pt) WCAG AA × Fail

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 50.0820, 0.2724, 0.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

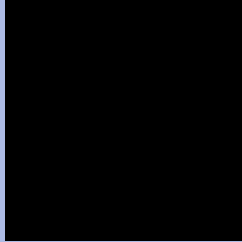
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0820, 0.2724, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 50.0820, 0.2724, 0.2776.



This preview shows how white text looks on a background with the Yxy color 50.0820, 0.2724, 0.2776.

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

50.0820, 0.2724, 0.2776

Protanopia

50.1842, 0.2765, 0.2779

Deuteranopia

49.7705, 0.2793, 0.2727



Tritanopia

50.0427, 0.2842, 0.3097

Trichromacy



Original Color

50.0820, 0.2724, 0.2776

Protanomaly

49.9494, 0.2750, 0.2777

Deuteranomaly

49.6974, 0.2765, 0.2734

Tritanomaly

50.2280, 0.2802, 0.2986

Monochromacy



Original Color

50.0820, 0.2724, 0.2776

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3455, 0.2975, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0820, 0.2724, 0.2776 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, 187, 229)` looks like.

```
.text, #text, p{  
    color:rgb(173, 187, 229)  
}
```

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, 187, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 187, 229) }
```

Border

The CSS property to change the border of an element to Yxy 50.0820, 0.2724, 0.2776 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, 187, 229) }
```

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

```
.border{ border-color:rgb(173, 187, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 187, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 187, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 187, 229);  
box-shadow:4px 4px 4px 4px rgb(173, 187,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0820, 0.2724, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 187, 229) }
```

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

```
.background{ background-color: rgb(173,  
187, 229) }
```

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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