

Converting Colors

$Y_{xy}(48.9832, 0.2730, 0.2577)$

Have a look what the booklet for
Yxy(48.9832, 0.2730, 0.2577)
contains.

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Color

Yxy(48.8458, 0.2732, 0.2573)

Conversions

Conversions Part 1

Format	Color
Hex	B9B3F0
RGB	185, 179, 240
RGB Percent	73%, 70%, 94%
CMY	0.2743, 0.2981, 0.0588
CMYK	0.23, 0.25, 0.00, 0.06
HSL	246°, 67%, 82%
HSV	246°, 25%, 94%
XYZ	51.8643, 48.8458, 89.1298
YIQ	187.7480, -16.0050, 20.2430

Conversions

Conversions Part 2

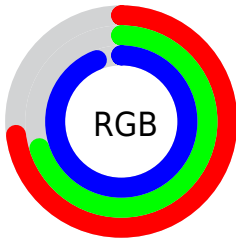
Format	Color
R _Y B	185, 179, 240
Decimal	12170224
CIE Lab	75.36, 14.81, -29.58
CIE LCh	75, 33.081, 296.595
Yxy	48.8458, 0.2732, 0.2573
Android (android.graphics.Color)	4290360304 (0xFFB9B3F0)
YUV	187.7480, 25.7602, -2.4100
Hunter-Lab	69.8898, 10.1553, -26.6892

Details

The Yxy color $48.8458, 0.2732, 0.2573$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $83.0542, 0.3468, 0.3935$, and the grayscale version is $50.0017, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.5139, 0.3051, 0.3092$, and $23.2077, 0.2622, 0.2388$ is the 20% darker color. If you saturate the color by 10%, you get $37.5631, 0.2544, 0.2241$, and if you desaturate by 10%, it is $62.2152, 0.2903, 0.2879$.

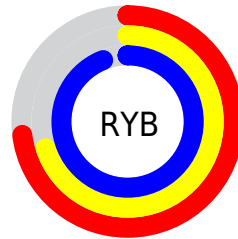
Distribution



Red (73%)

Green (70%)

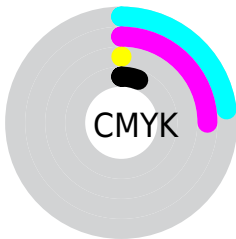
Blue (94%)



Red (73%)

Yellow (70%)

Blue (94%)

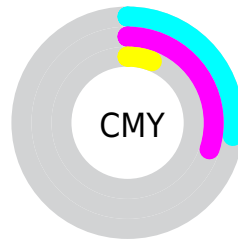


Cyan (23%)

Magenta (25%)

Yellow (0%)

Black (6%)



Cyan (27%)

Magenta (30%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8458, 0.2732, 0.2573 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 48.8458, 0.2732, 0.2573 by changing the saturation by 10% instead.

■ 48.8458, 0.2732,
0.2573

■ 48.8458, 0.2732,
0.2573

382.1350, 0.2929,
0.2912

■ 34.4972, 0.2684,
0.2494

■ 88.4624, 0.2803,
0.2692

■ 23.2758, 0.2623,
0.2397

114.4991, 0.2830,
0.2738

■ 14.7973, 0.2543,
0.2272

145.2007, 0.2852,
0.2777

■ 8.6772, 0.2435,
0.2110

180.9515, 0.2872,
0.2811

■ 4.5313, 0.2282,
0.1890

222.1360, 0.2889,
0.2841

■ 1.9750, 0.2051,
0.1580

269.1384, 0.2904,

■ 0.5929, 0.1685,


0.2868


0.1077


322.3433, 0.2917,
0.2891


 0.0000, 0.0000,
0.0000

 48.8458, 0.2732,
0.2573

 48.8458, 0.2732,
0.2573


 37.5631, 0.2544,
0.2241


 62.2152, 0.2903,
0.2879


 28.2561, 0.2343,
0.1893


 77.7632, 0.3054,
0.3154

 20.8124, 0.2138,
0.1547

 95.5831, 0.3185,
0.3397

 15.1059, 0.1943,
0.1227

 99.0711, 0.3214,
0.3434

 10.9950, 0.1772,
0.0957

■ 8.3152, 0.1639,
0.0761

■ 6.8661, 0.1553,
0.0646

■ 6.4835, 0.1527,
0.0615

Harmonies

Analogous

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



48.8458, 0.2423, 0.2588



48.8458, 0.2732, 0.2573



48.8458, 0.3168, 0.2720

Triad

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



48.8458, 0.2732, 0.2573



48.8458, 0.4033, 0.3705



48.8458, 0.2629, 0.3598

Complementary

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



48.8458, 0.2732, 0.2573



83.0542, 0.3468, 0.3935

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.



48.8458, 0.3036, 0.3973



48.8458, 0.2732, 0.2573



48.8458, 0.3856, 0.3996

Square

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



48.8458, 0.2732, 0.2573



48.8458, 0.3949, 0.3344



48.8458, 0.3486, 0.4114



48.8458, 0.2366, 0.3147

Rectangle

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



48.8458, 0.2732, 0.2573



48.8458, 0.3478, 0.2891



48.8458, 0.3486, 0.4114



48.8458, 0.2753, 0.3741

Sweetspot

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



48.8478, 0.2732, 0.2573



84.3483, 0.3016, 0.3086



75.2406, 0.2749, 0.3232



17.4641, 0.2994, 0.3045



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.



48.8478, 0.2732, 0.2573



48.4174, 0.2627, 0.2387



52.9102, 0.2955, 0.2617



15.3039, 0.2995, 0.3047



3.5749, 0.1534, 0.0619



0.3225, 0.1610, 0.0660

Inverse Universe

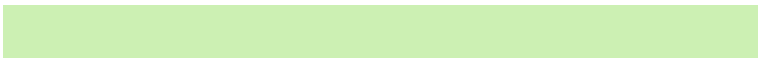
The Inverse Universe completely reimagines the original color for something new.



56.6975, 0.3204, 0.2715



59.0154, 0.3224, 0.2586



78.4681, 0.3262, 0.3980



16.0028, 0.3153, 0.3080



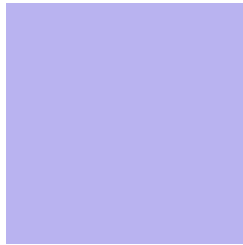
12.8706, 0.3476, 0.1689



1.0785, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 48.8458, 0.2732, 0.2573 looks on a white background.

Color Contrast Check

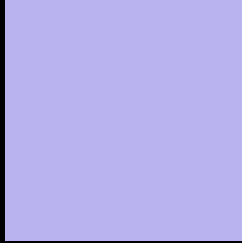
Large Text (above 18pt) WCAG AA × Fail

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 48.8458, 0.2732, 0.2573 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 48.8458, 0.2732, 0.2573

Background



This preview shows how black text looks on a background with the Yxy color 48.8458, 0.2732, 0.2573.

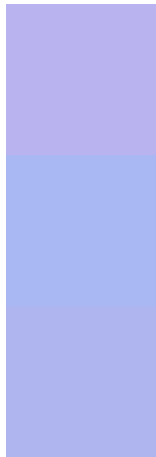


This preview shows how white text looks on a background with the Yxy color 48.8458, 0.2732, 0.2573.

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

48.8458, 0.2732, 0.2573

Protanopia

48.7731, 0.2606, 0.2569

Deuteranopia

48.8019, 0.2670, 0.2606



Tritanopia

48.7998, 0.2950, 0.3099

Trichromacy



Original Color

48.8458, 0.2732, 0.2573

Protanomaly

48.9807, 0.2651, 0.2575

Deuteranomaly

48.8634, 0.2697, 0.2599

Tritanomaly

48.5970, 0.2873, 0.2893

Monochromacy



Original Color

48.8458, 0.2732, 0.2573

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.7677, 0.2977, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8458, 0.2732, 0.2573 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(185, 179, 240)` looks like.

```
.text, #text, p{  
    color:rgb(185, 179, 240)  
}
```

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(185, 179, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 179, 240) }
```

Border

The CSS property to change the border of an element to Yxy 48.8458, 0.2732, 0.2573 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(185, 179, 240) }
```

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

```
.border{ border-color:rgb(185, 179, 240) }
```

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

Here you see how a box with a 4 pixel rgb(185, 179, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 179, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 179, 240);  
box-shadow:4px 4px 4px 4px rgb(185, 179,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8458, 0.2732, 0.2573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 179, 240) }
```

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

```
.background{ background-color: rgb(185,  
179, 240) }
```

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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