

Converting Colors

$Yxy(48.6156, 0.2704, 0.2579)$

Have a look what the booklet for
Yxy(48.6156, 0.2704, 0.2579)
contains.

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Color

Yxy(48.7575, 0.2704, 0.2580)

Conversions

Conversions Part 1

Format	Color
Hex	B5B4F0
RGB	181, 180, 240
RGB Percent	71%, 71%, 94%
CMY	0.2902, 0.2941, 0.0590
CMYK	0.25, 0.25, 0.00, 0.06
HSL	241°, 67%, 82%
HSV	241°, 25%, 94%
XYZ	51.1009, 48.7575, 89.1242
YIQ	187.1390, -18.6640, 18.8720

Conversions

Conversions Part 2

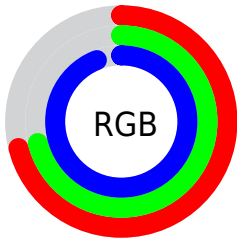
Format	Color
RYB	181, 180, 240
Decimal	11908336
CIELab	75.30, 13.03, -29.67
CIElCh	75, 32.408, 293.712
Yxy	48.7575, 0.2704, 0.2580
Android (android.graphics.Color)	4290098416 (0xFFB5B4F0)
YUV	187.1390, 26.0605, -5.3839
Hunter-Lab	69.8266, 8.4344, -26.7971

Details

The Yxy color $48.7575, 0.2704, 0.2580$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $83.9371, 0.3498, 0.3916$, and the grayscale version is $49.6354, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3880, 0.3025, 0.3101$, and $23.1515, 0.2586, 0.2396$ is the 20% darker color. If you saturate the color by 10%, you get $37.2794, 0.2502, 0.2242$, and if you desaturate by 10%, it is $62.3998, 0.2889, 0.2890$.

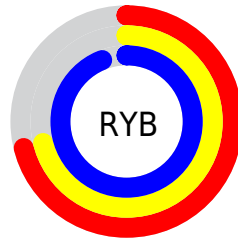
Distribution



Red (71%)

Green (71%)

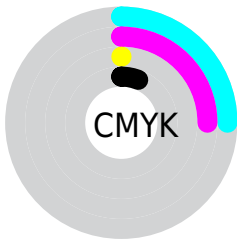
Blue (94%)



Red (71%)

Yellow (71%)

Blue (94%)

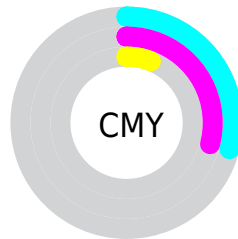


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (6%)



Cyan (29%)

Magenta (29%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7575, 0.2704, 0.2580 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 48.7575, 0.2704, 0.2580 by changing the saturation by 10% instead.

■ 48.7575, 0.2704,
0.2580

■ 48.7575, 0.2704,
0.2580

■ 381.7869, 0.2914,
0.2917

■ 34.4272, 0.2653,
0.2502

■ 88.3312, 0.2779,
0.2698

■ 23.2219, 0.2588,
0.2404

■ 114.3433, 0.2808,
0.2744

■ 14.7575, 0.2504,
0.2280

■ 145.0181, 0.2832,
0.2783

■ 8.6494, 0.2390,
0.2118

■ 180.7401, 0.2853,
0.2817

■ 4.5132, 0.2229,
0.1897

■ 221.8935, 0.2871,
0.2847

■ 1.9646, 0.1987,
0.1586

■ 268.8629, 0.2887,

■ 0.5868, 0.1609,

0.2873

0.1077

322.0325, 0.2901,
0.2896

0.0000, 0.0000,
0.0000

48.7575, 0.2704,
0.2580

48.7575, 0.2704,
0.2580

37.2794, 0.2502,
0.2242

62.3998, 0.2889,
0.2890

27.8487, 0.2288,
0.1886

78.3031, 0.3053,
0.3165

20.3471, 0.2074,
0.1532

96.5657, 0.3197,
0.3407

14.6411, 0.1876,
0.1205

99.0689, 0.3215,
0.3435

10.5810, 0.1710,
0.0933

■ 7.9922, 0.1590,
0.0738

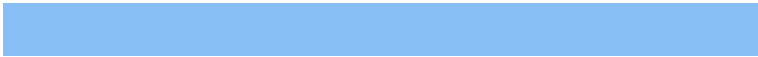
■ 6.6613, 0.1522,
0.0631

■ 6.3146, 0.1504,
0.0602

Harmonies

Analogous

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



48.7575, 0.2416, 0.2612



48.7575, 0.2704, 0.2580



48.7575, 0.3124, 0.2710

Triad

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



48.7575, 0.2704, 0.2580



48.7575, 0.4019, 0.3666



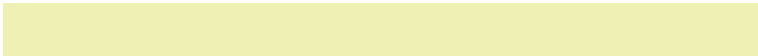
48.7575, 0.2673, 0.3633

Complementary

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



48.7575, 0.2704, 0.2580



83.9371, 0.3498, 0.3916

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.



48.7575, 0.3081, 0.3983



48.7575, 0.2704, 0.2580



48.7575, 0.3868, 0.3962

Square

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



48.7575, 0.2704, 0.2580



48.7575, 0.3911, 0.3309



48.7575, 0.3520, 0.4097



48.7575, 0.2398, 0.3191

Rectangle

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



48.7575, 0.2704, 0.2580



48.7575, 0.3429, 0.2871



48.7575, 0.3520, 0.4097



48.7575, 0.2798, 0.3769

Sweetspot

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



48.7594, 0.2704, 0.2580



85.9567, 0.3021, 0.3112



78.2901, 0.2760, 0.3289



18.1525, 0.3012, 0.3096



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.



48.7594, 0.2704, 0.2580



48.9358, 0.2602, 0.2410



52.6346, 0.2920, 0.2622



15.2413, 0.2982, 0.3046



3.4636, 0.1505, 0.0603



0.2925, 0.1519, 0.0610

Inverse Universe

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



57.3945, 0.3164, 0.2678



60.4386, 0.3172, 0.2552



79.2919, 0.3294, 0.3959



16.0266, 0.3141, 0.3061



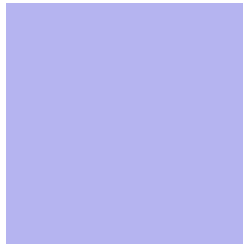
13.4589, 0.3251, 0.1565



1.1211, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 48.7575, 0.2704, 0.2580 looks on a white background.

Color Contrast Check

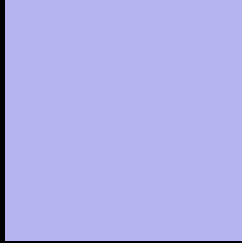
Large Text (above 18pt) WCAG AA × Fail

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 48.7575, 0.2704, 0.2580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

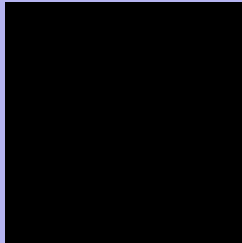
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7575, 0.2704, 0.2580

Background



This preview shows how black text looks on a background with the Yxy color 48.7575, 0.2704, 0.2580.

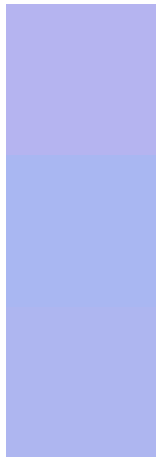


This preview shows how white text looks on a background with the Yxy color 48.7575, 0.2704, 0.2580.

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

48.7575, 0.2704, 0.2580

Protanopia

48.7128, 0.2612, 0.2580

Deuteranopia

48.7458, 0.2657, 0.2595



Tritanopia

48.8036, 0.2912, 0.3097

Trichromacy



Original Color

48.7575, 0.2704, 0.2580

Protanomaly

48.6910, 0.2644, 0.2583

Deuteranomaly

48.6861, 0.2676, 0.2586

Tritanomaly

48.5860, 0.2836, 0.2891

Monochromacy



Original Color

48.7575, 0.2704, 0.2580

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0515, 0.2969, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7575, 0.2704, 0.2580 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(181, 180, 240)` looks like.

```
.text, #text, p{  
    color:rgb(181, 180, 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(181, 180, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 180, 240) }
```

Border

The CSS property to change the border of an element to Yxy 48.7575, 0.2704, 0.2580 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(181, 180, 240) }
```

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

```
.border{ border-color:rgb(181, 180, 240) }
```

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

Here you see how a box with a 4 pixel rgb(181, 180, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 180, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 180, 240);  
box-shadow:4px 4px 4px 4px rgb(181, 180,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7575, 0.2704, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 180, 240) }
```

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

```
.background{ background-color: rgb(181,  
180, 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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