

Converting Colors

$Yxy(48.5241, 0.2591, 0.2404)$

Have a look what the booklet for
Yxy(48.5241, 0.2591, 0.2404)
contains.

Yxy(48.5258, 0.2590, 0.2401)	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(48.5258, 0.2590, 0.2401)

Conversions

Conversions Part 1

Format	Color
Hex	B2B2FF
RGB	178, 178, 255
RGB Percent	70%, 70%, 100%
CMY	0.3017, 0.3020, 0.0000
CMYK	0.30, 0.30, 0.00, 0.00
HSL	240°, 100%, 85%
HSV	240°, 30%, 100%
XYZ	52.3456, 48.5258, 101.2352
YIQ	186.7780, -24.7170, 23.9470

Conversions

Conversions Part 2

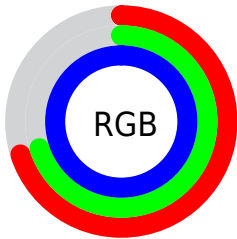
Format	Color
R_{YB}	178, 178, 255
Decimal	11711231
CIE _{Lab}	75.16, 16.93, -38.04
CIE _{LCh}	75, 41.637, 293.995
Yxy	48.5258, 0.2590, 0.2401
Android (android.graphics.Color)	4289901311 (0xFFB2B2FF)
YUV	186.7780, 33.6334, -7.6983
Hunter-Lab	69.6605, 12.2261, -37.4018

Details

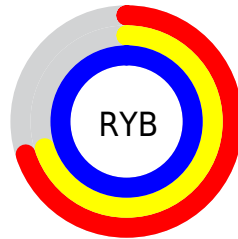
The Yxy color **48.5258, 0.2590, 0.2401** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **95.9754, 0.3585, 0.4047**, and the grayscale version is **49.3852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7278, 0.3006, 0.3079**, and **22.9554, 0.2444, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **36.5662, 0.2378, 0.2050**, and if you desaturate by 10%, it is **62.9312, 0.2788, 0.2729**.

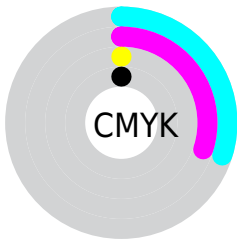
Distribution



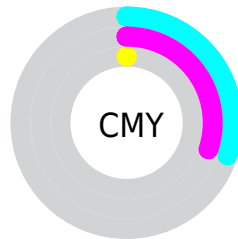
- Red (70%)
- Green (70%)
- Blue (100%)



- Red (70%)
- Yellow (70%)
- Blue (100%)



- Cyan (30%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5258, 0.2590, 0.2401 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 48.5258, 0.2590, 0.2401 by changing the saturation by 10% instead.

■ 48.5258, 0.2590,
0.2401

■ 48.5258, 0.2590,
0.2401

■ 380.8725, 0.2855,
0.2816

■ 34.2435, 0.2526,
0.2307

■ 87.9868, 0.2685,
0.2545

■ 23.0807, 0.2446,
0.2191

■ 113.9342, 0.2721,
0.2601

■ 14.6531, 0.2343,
0.2045

■ 144.5387, 0.2751,
0.2649

■ 8.5763, 0.2206,
0.1859

■ 180.1848, 0.2778,
0.2692

■ 4.4659, 0.2017,
0.1614

■ 221.2568, 0.2801,
0.2728

■ 1.9374, 0.1744,
0.1285

■ 268.1392, 0.2821,


■ 0.5707, 0.1342,


0.2761


0.0797


321.2163, 0.2839,
0.2790


 0.0000, 0.0000,
0.0000

 48.5258, 0.2590,
0.2401

 48.5258, 0.2590,
0.2401

 36.5662, 0.2378,
0.2050

 62.9312, 0.2788,
0.2729


 26.9158, 0.2160,
0.1689

 79.9067, 0.2967,
0.3025

 19.4261, 0.1951,
0.1344

 99.5693, 0.3124,
0.3285

 13.9307, 0.1769,
0.1043

 100.0000, 0.3127,
0.3290

 10.2392, 0.1628,
0.0811

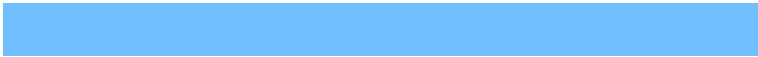
■ 8.1244, 0.1540,
0.0665

■ 7.2220, 0.1500,
0.0600

Harmonies

Analogous

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



48.5258, 0.2234, 0.2430



48.5258, 0.2590, 0.2401



48.5258, 0.3121, 0.2566

Triad

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



48.5258, 0.2590, 0.2401



48.5258, 0.4271, 0.3749



48.5258, 0.2538, 0.3730

Complementary

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



48.5258, 0.2590, 0.2401



95.9754, 0.3585, 0.4047

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.



48.5258, 0.3050, 0.4199



48.5258, 0.2590, 0.2401



48.5258, 0.4064, 0.4137

Square

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



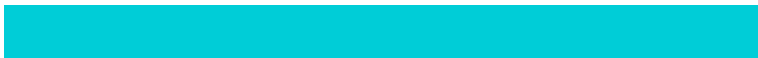
48.5258, 0.2590, 0.2401



48.5258, 0.4142, 0.3303



48.5258, 0.3610, 0.4335



48.5258, 0.2202, 0.3144

Rectangle

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



48.5258, 0.2590, 0.2401



48.5258, 0.3516, 0.2765



48.5258, 0.3610, 0.4335



48.5258, 0.2694, 0.3913

Sweetspot

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



48.5261, 0.2590, 0.2401



82.1303, 0.2987, 0.3058



88.2025, 0.2691, 0.3289



17.0054, 0.2963, 0.3018



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.



48.5261, 0.2590, 0.2401



41.3052, 0.2468, 0.2199



53.7259, 0.2866, 0.2466



17.3789, 0.2979, 0.3044



3.7741, 0.1501, 0.0600



0.3678, 0.1501, 0.0601

Inverse Universe

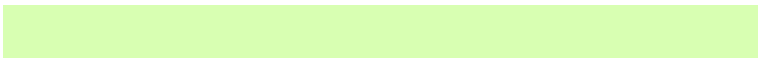
The Inverse Universe completely reimagines the original color for something new.



60.3062, 0.3163, 0.2537



54.7381, 0.3170, 0.2397



89.4071, 0.3326, 0.4116



18.3000, 0.3138, 0.3056



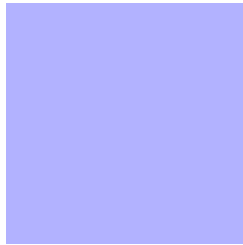
14.8710, 0.3212, 0.1543



1.4481, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 48.5258, 0.2590, 0.2401 looks on a white background.

Color Contrast Check

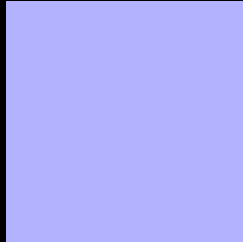
Large Text (above 18pt) WCAG AA × Fail

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 48.5258, 0.2590, 0.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

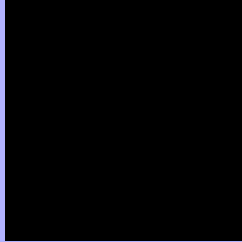
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5258, 0.2590, 0.2401

Background



This preview shows how black text looks on a background with the Yxy color 48.5258, 0.2590, 0.2401.



This preview shows how white text looks on a background with the Yxy color 48.5258, 0.2590, 0.2401.

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

48.5258, 0.2590, 0.2401

Protanopia

48.4624, 0.2498, 0.2427

Deuteranopia

48.8093, 0.2505, 0.2449



Tritanopia

48.4937, 0.2853, 0.3095

Trichromacy



Original Color

48.5258, 0.2590, 0.2401

Protanomaly

48.5926, 0.2528, 0.2422

Deuteranomaly

48.5283, 0.2534, 0.2432

Tritanomaly

48.2128, 0.2751, 0.2815

Monochromacy



Original Color

48.5258, 0.2590, 0.2401

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.2248, 0.2918, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5258, 0.2590, 0.2401 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(178, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 255)  
}
```

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(178, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.5258, 0.2590, 0.2401 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(178, 178, 255) }
```

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

```
.border{ border-color:rgb(178, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5258, 0.2590, 0.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 255) }
```

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

```
.background{ background-color: rgb(178,  
178, 255) }
```

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