

Converting Colors

$Y_{xy}(48.5580, 0.2569, 0.2504)$

Have a look what the booklet for
Yxy(48.5580, 0.2569, 0.2504)
contains.

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Color

Yxy(48.5580, 0.2569, 0.2504)

Conversions

Conversions Part 1

Format	Color
Hex	A8B6F8
RGB	168, 182, 248
RGB Percent	66%, 71%, 97%
CMY	0.3412, 0.2863, 0.0275
CMYK	0.32, 0.27, 0.00, 0.03
HSL	229°, 85%, 82%
HSV	229°, 32%, 97%
XYZ	49.8185, 48.5580, 95.5452
YIQ	185.3380, -29.5300, 17.5580

Conversions

Conversions Part 2

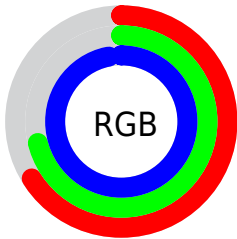
Format	Color
R _Y B	168, 180, 248
Decimal	11056888
CIE Lab	75.18, 10.14, -34.28
CIE LCh	75, 35.745, 286.480
Yxy	48.5580, 0.2569, 0.2504
Android (android.graphics.Color)	4289246968 (0xFFA8B6F8)
YUV	185.3380, 30.8924, -15.2054
Hunter-Lab	69.6836, 5.6678, -32.5158

Details

The Yxy color **48.5580, 0.2569, 0.2504** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.6221, 0.3656, 0.3969**, and the grayscale version is **48.5519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3766, 0.2943, 0.3116**, and **23.0395, 0.2427, 0.2311** is the 20% darker color. If you saturate the color by 10%, you get **38.3158, 0.2372, 0.2209**, and if you desaturate by 10%, it is **60.5471, 0.2758, 0.2778**.

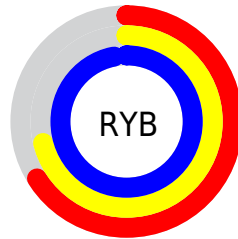
Distribution



Red (66%)

Green (71%)

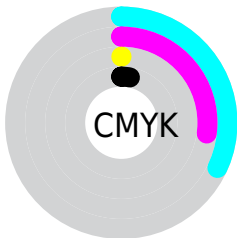
Blue (97%)



Red (66%)

Yellow (71%)

Blue (97%)

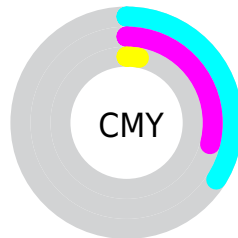


Cyan (32%)

Magenta (27%)

Yellow (0%)

Black (3%)



Cyan (34%)

Magenta (29%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5580, 0.2569, 0.2504 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 48.5580, 0.2569, 0.2504 by changing the saturation by 10% instead.

■ 48.5580, 0.2569,
0.2504

■ 48.5580, 0.2569,
0.2504

■ 380.9997, 0.2842,
0.2877

■ 34.2690, 0.2504,
0.2418

■ 88.0346, 0.2666,
0.2635

■ 23.1003, 0.2421,
0.2311

■ 113.9910, 0.2704,
0.2685

■ 14.6676, 0.2315,
0.2175

■ 144.6054, 0.2735,
0.2728

■ 8.5864, 0.2174,
0.1999

■ 180.2620, 0.2763,
0.2766

■ 4.4724, 0.1979,
0.1763

■ 221.3454, 0.2786,
0.2799

■ 1.9412, 0.1698,
0.1436


■ 268.2398, 0.2807,


■ 0.5730, 0.1279,


0.2828


0.0925

321.3298, 0.2826,
0.2854

 0.0000, 0.0000,
0.0000

 48.5580, 0.2569,
0.2504


 48.5580, 0.2569,
0.2504


 38.3158, 0.2372,
0.2209


 60.5471, 0.2758,
0.2778

 29.7325, 0.2173,
0.1900

 74.3544, 0.2933,
0.3025

 22.7206, 0.1984,
0.1592

 90.0539, 0.3093,
0.3244

 17.1821, 0.1815,
0.1302

 99.5567, 0.3168,
0.3357

 13.0077, 0.1679,
0.1049

■ 10.0714, 0.1584,
0.0849

■ 8.5342, 0.1538,
0.0737

Harmonies

Analogous

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



48.5580, 0.2301, 0.2582



48.5580, 0.2569, 0.2504



48.5580, 0.3001, 0.2607

Triad

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



48.5580, 0.2569, 0.2504



48.5580, 0.4110, 0.3604



48.5580, 0.2723, 0.3782

Complementary

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



48.5580, 0.2569, 0.2504



81.6221, 0.3656, 0.3969

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.



48.5580, 0.3190, 0.4119



48.5580, 0.2569, 0.2504



48.5580, 0.4006, 0.3957

Square

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



48.5580, 0.2569, 0.2504



48.5580, 0.3924, 0.3212



48.5580, 0.3663, 0.4168



48.5580, 0.2381, 0.3294

Rectangle

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



48.5580, 0.2569, 0.2504



48.5580, 0.3337, 0.2761



48.5580, 0.3663, 0.4168



48.5580, 0.2870, 0.3921

Sweetspot

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



48.5599, 0.2569, 0.2504



82.7852, 0.2971, 0.3076



81.3561, 0.2738, 0.3455



17.2369, 0.2947, 0.3044



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.



48.5599, 0.2569, 0.2504



44.1138, 0.2435, 0.2305



46.1650, 0.2732, 0.2378



17.1340, 0.2979, 0.3088



4.7504, 0.1544, 0.0756



0.5719, 0.1597, 0.0947

Inverse Universe

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



51.3392, 0.3742, 0.3141



47.9016, 0.3933, 0.3109



85.5905, 0.3438, 0.4147



17.2748, 0.3266, 0.3249



10.8905, 0.6140, 0.3156



1.0220, 0.5839, 0.2990

Previews

White Background



This preview shows how the Yxy color 48.5580, 0.2569, 0.2504 looks on a white background.

Color Contrast Check

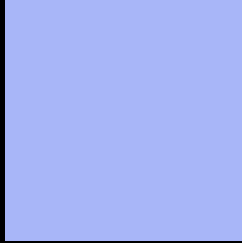
Large Text (above 18pt) WCAG AA × Fail

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 48.5580, 0.2569, 0.2504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

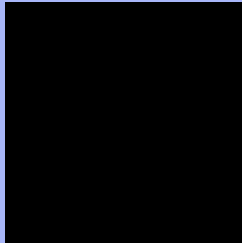
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5580, 0.2569, 0.2504

Background



This preview shows how black text looks on a background with the Yxy color 48.5580, 0.2569, 0.2504.



This preview shows how white text looks on a background with the Yxy color 48.5580, 0.2569, 0.2504.

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

48.5580, 0.2569, 0.2504

Protanopia

48.3402, 0.2556, 0.2501

Deuteranopia

48.5580, 0.2569, 0.2504



Tritanopia

48.6056, 0.2782, 0.3093

Trichromacy



Original Color

48.5580, 0.2569, 0.2504

Protanomaly

48.4487, 0.2562, 0.2503

Deuteranomaly

48.5580, 0.2569, 0.2504

Tritanomaly

48.4425, 0.2697, 0.2858

Monochromacy



Original Color

48.5580, 0.2569, 0.2504

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.4188, 0.2907, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5580, 0.2569, 0.2504 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(168, 182, 248)` looks like.

```
.text, #text, p{  
    color:rgb(168, 182, 248)  
}
```

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(168, 182, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 182, 248) }
```

Border

The CSS property to change the border of an element to Yxy 48.5580, 0.2569, 0.2504 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(168, 182, 248) }
```

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

```
.border{ border-color:rgb(168, 182, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 182, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 182, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 182, 248);  
box-shadow:4px 4px 4px 4px rgb(168, 182,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5580, 0.2569, 0.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 182, 248) }
```

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

```
.background{ background-color: rgb(168,  
182, 248) }
```

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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