

Converting Colors

$Yxy(52.2786, 0.2619, 0.2558)$

Have a look what the booklet for
Yxy(52.2786, 0.2619, 0.2558)
contains.

Yxy(52.2786, 0.2619, 0.2558)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.2786, 0.2619, 0.2558)

Conversions

Conversions Part 1

Format	Color
Hex	B1BCFB
RGB	177, 188, 251
RGB Percent	69%, 74%, 98%
CMY	0.3060, 0.2627, 0.0155
CMYK	0.30, 0.25, 0.00, 0.02
HSL	231°, 90%, 84%
HSV	231°, 30%, 98%
XYZ	53.5253, 52.2786, 98.5691
YIQ	191.8930, -26.7790, 17.2610

Conversions

Conversions Part 2

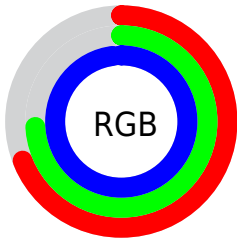
Format	Color
R _Y B	177, 187, 251
Decimal	11648251
CIE Lab	77.45, 10.11, -32.36
CIE LCh	77, 33.901, 287.350
Yxy	52.2786, 0.2619, 0.2558
Android (android.graphics.Color)	4289838331 (0xFFB1BCFB)
YUV	191.8930, 29.1398, -13.0612
Hunter-Lab	72.3039, 5.6084, -30.2149

Details

The Yxy color $52.2786, 0.2619, 0.2558$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $86.0059, 0.3604, 0.3929$, and the grayscale version is $52.4837, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.4138, 0.2999, 0.3180$, and $25.4339, 0.2494, 0.2387$ is the 20% darker color. If you saturate the color by 10%, you get $41.1383, 0.2421, 0.2258$, and if you desaturate by 10%, it is $65.3159, 0.2806, 0.2834$.

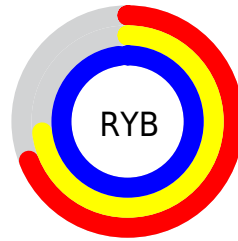
Distribution



Red (69%)

Green (74%)

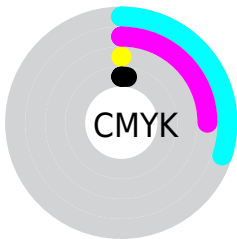
Blue (98%)



Red (69%)

Yellow (73%)

Blue (98%)

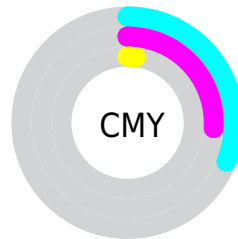


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (26%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2786, 0.2619, 0.2558 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 52.2786, 0.2619, 0.2558 by changing the saturation by 10% instead.

■ 52.2786, 0.2619,
0.2558

■ 52.2786, 0.2619,
0.2558

395.5112, 0.2866,
0.2902

■ 37.2272, 0.2560,
0.2479

■ 93.5420, 0.2706,
0.2678

■ 25.3834, 0.2487,
0.2381

120.5228, 0.2740,
0.2724

■ 16.3630, 0.2393,
0.2258

152.2488, 0.2769,
0.2764

■ 9.7814, 0.2268,
0.2098

189.1044, 0.2793,
0.2799

■ 5.2542, 0.2096,
0.1883

231.4741, 0.2815,
0.2830

■ 2.3972, 0.1847,
0.1585

279.7422, 0.2834,

■ 0.8244, 0.1468,

0.2857

0.1158

334.2931, 0.2851,
0.2881

0.0000, 0.0000,
0.0000

52.2786, 0.2619,
0.2558

52.2786, 0.2619,
0.2558

41.1383, 0.2421,
0.2258

65.3159, 0.2806,
0.2834

31.7999, 0.2219,
0.1943

80.3270, 0.2979,
0.3081

24.1693, 0.2023,
0.1626

97.3918, 0.3134,
0.3300

18.1413, 0.1845,
0.1326

99.7476, 0.3150,
0.3328

13.5987, 0.1698,
0.1061

■ 10.4074, 0.1593,
0.0852

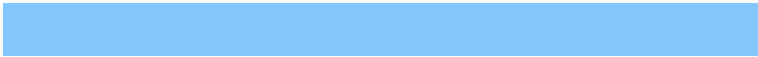
■ 8.3931, 0.1531,
0.0708

■ 8.3181, 0.1529,
0.0703

Harmonies

Analogous

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



52.2786, 0.2362, 0.2628



52.2786, 0.2619, 0.2558



52.2786, 0.3025, 0.2658

Triad

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



52.2786, 0.2619, 0.2558



52.2786, 0.4038, 0.3597



52.2786, 0.2742, 0.3731

Complementary

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



52.2786, 0.2619, 0.2558



86.0059, 0.3604, 0.3929

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.



52.2786, 0.3175, 0.4047



52.2786, 0.2619, 0.2558



52.2786, 0.3937, 0.3921

Square

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



52.2786, 0.2619, 0.2558



52.2786, 0.3872, 0.3231



52.2786, 0.3615, 0.4104



52.2786, 0.2427, 0.3283

Rectangle

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



52.2786, 0.2619, 0.2558



52.2786, 0.3337, 0.2805



52.2786, 0.3615, 0.4104



52.2786, 0.2878, 0.3860

Sweetspot

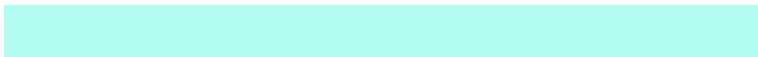
The Sweet Spot groups the original color and five complimentary colors.



52.2807, 0.2619, 0.2558



84.0718, 0.2987, 0.3093



84.6494, 0.2755, 0.3412



17.4788, 0.2963, 0.3059



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.



52.2807, 0.2619, 0.2558



47.5641, 0.2511, 0.2395



51.0779, 0.2790, 0.2468



17.0606, 0.2979, 0.3082



4.4983, 0.1534, 0.0721



0.5372, 0.1583, 0.0898

Inverse Universe

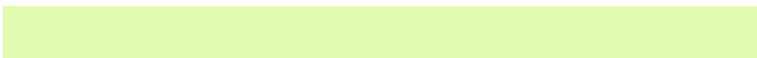
The Inverse Universe completely reimagines the original color for something new.



55.5773, 0.3689, 0.3175



51.6987, 0.3840, 0.3152



88.2182, 0.3397, 0.4075



17.2674, 0.3270, 0.3255



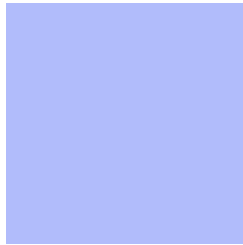
10.8650, 0.6198, 0.3188



1.0185, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 52.2786, 0.2619, 0.2558 looks on a white background.

Color Contrast Check

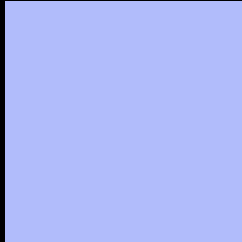
Large Text (above 18pt) WCAG AA × Fail

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 52.2786, 0.2619, 0.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

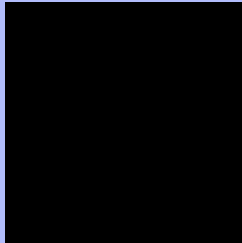
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2786, 0.2619, 0.2558

Background



This preview shows how black text looks on a background with the Yxy color 52.2786, 0.2619, 0.2558.



This preview shows how white text looks on a background with the Yxy color 52.2786, 0.2619, 0.2558.

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

52.2786, 0.2619, 0.2558

Protanopia

52.4221, 0.2596, 0.2556

Deuteranopia

52.2786, 0.2619, 0.2558



Tritanopia

52.1684, 0.2819, 0.3087

Trichromacy



Original Color

52.2786, 0.2619, 0.2558

Protanomaly

52.5374, 0.2602, 0.2558

Deuteranomaly

52.2786, 0.2619, 0.2558

Tritanomaly

51.9609, 0.2741, 0.2872

Monochromacy



Original Color

52.2786, 0.2619, 0.2558

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.6305, 0.2936, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2786, 0.2619, 0.2558 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(177, 188, 251)` looks like.

```
.text, #text, p{  
    color:rgb(177, 188, 251)  
}
```

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(177, 188, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 188, 251) }
```

Border

The CSS property to change the border of an element to Yxy 52.2786, 0.2619, 0.2558 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(177, 188, 251) }
```

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

```
.border{ border-color:rgb(177, 188, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 188, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 188, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 188, 251);  
box-shadow:4px 4px 4px 4px rgb(177, 188,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2786, 0.2619, 0.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 188, 251) }
```

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

```
.background{ background-color: rgb(177,  
188, 251) }
```

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