

Converting Colors

$Yxy(54.2667, 0.2675, 0.2543)$

Have a look what the booklet for
Yxy(54.2667, 0.2675, 0.2543)
contains.

Yxy(54.4340, 0.2677, 0.2546)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.4340, 0.2677, 0.2546)

Conversions

Conversions Part 1

Format	Color
Hex	BDBDFF
RGB	189, 189, 255
RGB Percent	74%, 74%, 100%
CMY	0.2589, 0.2588, 0.0000
CMYK	0.26, 0.26, 0.00, 0.00
HSL	240°, 100%, 87%
HSV	240°, 26%, 100%
XYZ	57.2348, 54.4340, 102.1332
YIQ	196.5240, -21.1860, 20.5260

Conversions

Conversions Part 2

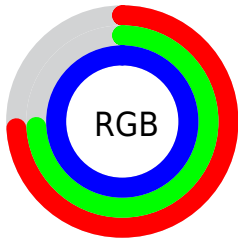
Format	Color
RYB	189, 189, 255
Decimal	12434943
CIELab	78.71, 13.97, -32.48
CIElCh	79, 35.357, 293.281
Yxy	54.4340, 0.2677, 0.2546
Android (android.graphics.Color)	4290625023 (0xFFBDBDFF)
YUV	196.5240, 28.8287, -6.5985
Hunter-Lab	73.7794, 9.3585, -30.4299

Details

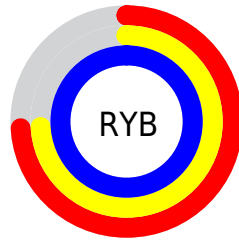
The Yxy color $54.4340, 0.2677, 0.2546$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.4368, 0.3520, 0.3939$, and the grayscale version is $55.3631, 0.3127, 0.3290$.

A 20% lighter version of the original color is $92.1176, 0.3074, 0.3193$, and $26.7539, 0.2559, 0.2375$ is the 20% darker color. If you saturate the color by 10%, you get $41.4348, 0.2470, 0.2204$, and if you desaturate by 10%, it is $69.9323, 0.2868, 0.2861$.

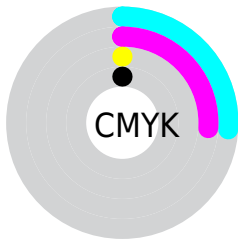
Distribution



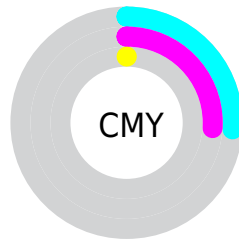
- Red (74%)
- Green (74%)
- Blue (100%)



- Red (74%)
- Yellow (74%)
- Blue (100%)



- Cyan (26%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4340, 0.2677, 0.2546 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 54.4340, 0.2677, 0.2546 by changing the saturation by 10% instead.

■ 54.4340, 0.2677,
0.2546

■ 54.4340, 0.2677,
0.2546

403.7628, 0.2895,
0.2891

■ 38.9487, 0.2625,
0.2468

■ 96.7112, 0.2755,
0.2666

■ 26.7199, 0.2560,
0.2371

124.2719, 0.2784,
0.2712

■ 17.3629, 0.2477,
0.2250

156.6266, 0.2810,
0.2752

■ 10.4936, 0.2366,
0.2094

194.1596, 0.2831,
0.2787

■ 5.7274, 0.2213,
0.1887

237.2553, 0.2851,
0.2818

■ 2.6801, 0.1991,
0.1603

286.2981, 0.2867,

■ 0.9671, 0.1651,

0.2845

0.1200

341.6725, 0.2882,
0.2870

0.0000, 0.0725,
0.0000

0.0000, 0.0000,
0.0000

54.4340, 0.2677,
0.2546

54.4340, 0.2677,
0.2546

41.4348, 0.2470,
0.2204

69.9323, 0.2868,
0.2861

30.8055, 0.2253,
0.1845

88.0529, 0.3037,
0.3141

22.4029, 0.2038,
0.1490

100.0000, 0.3127,
0.3290

16.0688, 0.1842,
0.1166

■ 11.6244, 0.1682,
0.0901

■ 8.8603, 0.1571,
0.0717

■ 7.5173, 0.1513,
0.0622

■ 7.2222, 0.1500,
0.0600

Harmonies

Analogous

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



54.4340, 0.2379, 0.2581



54.4340, 0.2677, 0.2546



54.4340, 0.3116, 0.2680

Triad

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



54.4340, 0.2677, 0.2546



54.4340, 0.4065, 0.3676



54.4340, 0.2655, 0.3658

Complementary

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



54.4340, 0.2677, 0.2546



96.4368, 0.3520, 0.3939

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.



54.4340, 0.3083, 0.4025



54.4340, 0.2677, 0.2546



54.4340, 0.3909, 0.3990

Square

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



54.4340, 0.2677, 0.2546



54.4340, 0.3949, 0.3302



54.4340, 0.3544, 0.4139



54.4340, 0.2365, 0.3191

Rectangle

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



54.4340, 0.2677, 0.2546



54.4340, 0.3437, 0.2847



54.4340, 0.3544, 0.4139



54.4340, 0.2786, 0.3801

Sweetspot

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



54.4334, 0.2677, 0.2546



84.0066, 0.3003, 0.3085



89.4855, 0.2752, 0.3301



17.3789, 0.2978, 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.



54.4334, 0.2677, 0.2546



47.4874, 0.2573, 0.2374



58.9609, 0.2902, 0.2592



17.3789, 0.2978, 0.3044



3.7742, 0.1500, 0.0600



0.3679, 0.1500, 0.0601

Inverse Universe

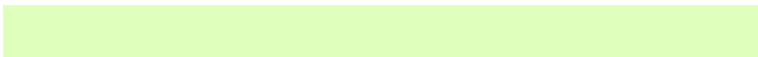
The Inverse Universe completely reimagines the original color for something new.



61.3205, 0.3683, 0.3291



55.4249, 0.3836, 0.3292



90.8955, 0.3307, 0.3987



17.9872, 0.3295, 0.3290



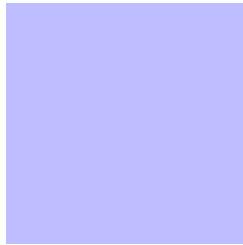
11.1090, 0.6400, 0.3299



1.0817, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 54.4340, 0.2677, 0.2546 looks on a white background.

Color Contrast Check

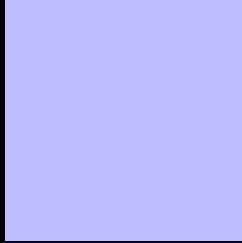
Large Text (above 18pt) WCAG AA × Fail

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 54.4340, 0.2677, 0.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

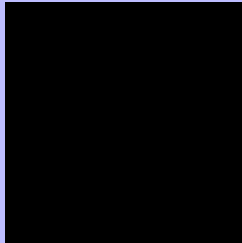
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.4340, 0.2677, 0.2546

Background



This preview shows how black text looks on a background with the Yxy color 54.4340, 0.2677, 0.2546.



This preview shows how white text looks on a background with the Yxy color 54.4340, 0.2677, 0.2546.

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

54.4340, 0.2677, 0.2546

Protanopia

54.3843, 0.2609, 0.2567

Deuteranopia

54.2411, 0.2632, 0.2569



Tritanopia

54.5604, 0.2893, 0.3093

Trichromacy



Original Color

54.4340, 0.2677, 0.2546

Protanomaly

54.4267, 0.2633, 0.2561

Deuteranomaly

54.1730, 0.2651, 0.2561

Tritanomaly

54.3754, 0.2814, 0.2884

Monochromacy



Original Color

54.4340, 0.2677, 0.2546

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

55.1149, 0.2955, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4340, 0.2677, 0.2546 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(189, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 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(189, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.4340, 0.2677, 0.2546 is called "border". The border property can be set on classes, ids or directly on the HTML element.

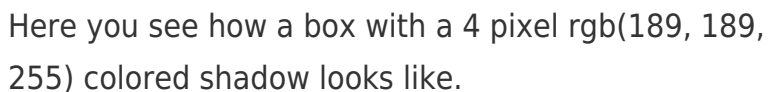
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 189, 255) }
```

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

```
.border{ border-color:rgb(189, 189, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 189, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 189, 255); box-shadow:4px 4px 4px 4px rgb(189, 189, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4340, 0.2677, 0.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 255) }
```

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

```
.background{ background-color: rgb(189,  
189, 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