

Converting Colors

$Y_{xy}(52.1797, 0.2632, 0.2565)$

Have a look what the booklet for
Yxy(52.1797, 0.2632, 0.2565)
contains.

Yxy(52.3335, 0.2632, 0.2570)	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(52.3335, 0.2632, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	B2BCFA
RGB	178, 188, 250
RGB Percent	70%, 74%, 98%
CMY	0.3020, 0.2627, 0.0197
CMYK	0.29, 0.25, 0.00, 0.02
HSL	232°, 88%, 84%
HSV	232°, 29%, 98%
XYZ	53.5960, 52.3335, 97.7028
YIQ	192.0780, -25.8620, 17.1620

Conversions

Conversions Part 2

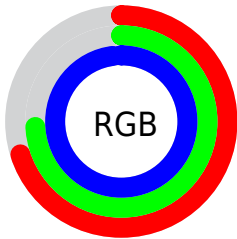
Format	Color
R _Y B	178, 187, 250
Decimal	11713786
CIE Lab	77.48, 10.15, -31.73
CIE LCh	77, 33.318, 287.737
Yxy	52.3335, 0.2632, 0.2570
Android (android.graphics.Color)	4289903866 (0xFFB2BCFA)
YUV	192.0780, 28.5555, -12.3464
Hunter-Lab	72.3419, 5.6472, -29.4360

Details

The Yxy color **52.3335, 0.2632, 0.2570** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.8418, 0.3589, 0.3920**, and the grayscale version is **52.6027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5835, 0.3006, 0.3180**, and **25.4633, 0.2509, 0.2402** is the 20% darker color. If you saturate the color by 10%, you get **41.1221, 0.2434, 0.2268**, and if you desaturate by 10%, it is **65.4592, 0.2819, 0.2847**.

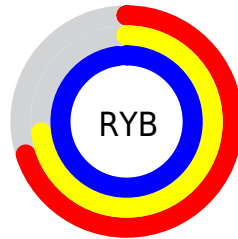
Distribution



Red (70%)

Green (74%)

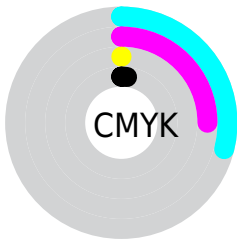
Blue (98%)



Red (70%)

Yellow (73%)

Blue (98%)

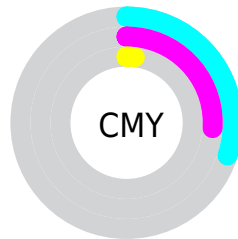


Cyan (29%)

Magenta (25%)

Yellow (0%)

Black (2%)



Cyan (30%)

Magenta (26%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3335, 0.2632, 0.2570 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 52.3335, 0.2632, 0.2570 by changing the saturation by 10% instead.

■ 52.3335, 0.2632,
0.2570

■ 52.3335, 0.2632,
0.2570

■ 395.7228, 0.2872,
0.2909

■ 37.2710, 0.2575,
0.2492

■ 93.6229, 0.2717,
0.2688

■ 25.4174, 0.2503,
0.2396

■ 120.6186, 0.2750,
0.2734

■ 16.3883, 0.2411,
0.2274

■ 152.3607, 0.2778,
0.2773

■ 9.7993, 0.2289,
0.2116

■ 189.2338, 0.2802,
0.2807

■ 5.2661, 0.2120,
0.1904

■ 231.6221, 0.2823,
0.2837

■ 2.4042, 0.1874,
0.1608

■ 279.9101, 0.2841,

■ 0.8281, 0.1499,

0.2864

0.1182

334.4822, 0.2858,
0.2888

0.0000, 0.0000,
0.0000

52.3335, 0.2632,
0.2570

52.3335, 0.2632,
0.2570

41.1221, 0.2434,
0.2268

65.4592, 0.2819,
0.2847

31.7290, 0.2230,
0.1951

80.5769, 0.2990,
0.3096

24.0592, 0.2032,
0.1631

97.7674, 0.3145,
0.3315

18.0065, 0.1852,
0.1327

99.6810, 0.3156,
0.3338

13.4525, 0.1703,
0.1060

■ 10.2620, 0.1595,
0.0849

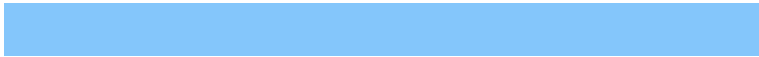
■ 8.2648, 0.1531,
0.0705

■ 8.0880, 0.1526,
0.0691

Harmonies

Analogous

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



52.3335, 0.2377, 0.2637



52.3335, 0.2632, 0.2570



52.3335, 0.3033, 0.2670

Triad

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



52.3335, 0.2632, 0.2570



52.3335, 0.4022, 0.3598



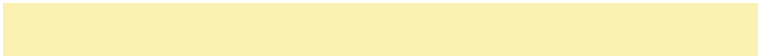
52.3335, 0.2744, 0.3718

Complementary

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



52.3335, 0.2632, 0.2570



85.8418, 0.3589, 0.3920

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.



52.3335, 0.3169, 0.4030



52.3335, 0.2632, 0.2570



52.3335, 0.3920, 0.3914

Square

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



52.3335, 0.2632, 0.2570



52.3335, 0.3863, 0.3237



52.3335, 0.3602, 0.4091



52.3335, 0.2436, 0.3278

Rectangle

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



52.3335, 0.2632, 0.2570



52.3335, 0.3339, 0.2816



52.3335, 0.3602, 0.4091



52.3335, 0.2878, 0.3845

Sweetspot

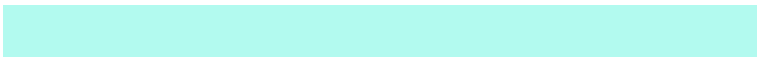
The Sweet Spot groups the original color and five complimentary colors.



52.3356, 0.2632, 0.2570



83.9382, 0.2987, 0.3091



84.0678, 0.2763, 0.3408



17.4461, 0.2963, 0.3056



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.



52.3356, 0.2632, 0.2570



47.2023, 0.2509, 0.2384



51.4667, 0.2800, 0.2491



17.0320, 0.2979, 0.3079



4.4100, 0.1530, 0.0708



0.5237, 0.1578, 0.0879

Inverse Universe

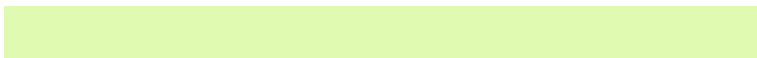
The Inverse Universe completely reimagines the original color for something new.



55.7935, 0.3677, 0.3185



51.6622, 0.3848, 0.3162



87.5477, 0.3390, 0.4055



17.2645, 0.3272, 0.3257



10.8561, 0.6219, 0.3199



1.0171, 0.5944, 0.3048

Previews

White Background



This preview shows how the Yxy color 52.3335, 0.2632, 0.2570 looks on a white background.

Color Contrast Check

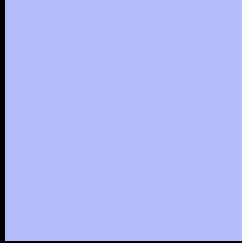
Large Text (above 18pt) WCAG AA × Fail

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 52.3335, 0.2632, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

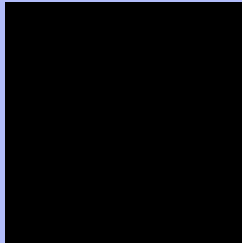
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3335, 0.2632, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 52.3335, 0.2632, 0.2570.



This preview shows how white text looks on a background with the Yxy color 52.3335, 0.2632, 0.2570.

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

52.3335, 0.2632, 0.2570

Protanopia

52.3589, 0.2601, 0.2567

Deuteranopia

52.3335, 0.2632, 0.2570



Tritanopia

52.2794, 0.2826, 0.3087

Trichromacy



Original Color

52.3335, 0.2632, 0.2570

Protanomaly

52.4742, 0.2608, 0.2568

Deuteranomaly

52.3335, 0.2632, 0.2570

Tritanomaly

52.0198, 0.2754, 0.2884

Monochromacy



Original Color

52.3335, 0.2632, 0.2570

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 52.3335, 0.2632, 0.2570 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, 188, 250)` looks like.

```
.text, #text, p{  
    color:rgb(178, 188, 250)  
}
```

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, 188, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 188, 250) }
```

Border

The CSS property to change the border of an element to Yxy 52.3335, 0.2632, 0.2570 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, 188, 250) }
```

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

```
.border{ border-color:rgb(178, 188, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 188, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 188, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 188, 250);  
box-shadow:4px 4px 4px 4px rgb(178, 188,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3335, 0.2632, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 188, 250) }
```

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

```
.background{ background-color: rgb(178,  
188, 250) }
```

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