

Converting Colors

$Y_{xy}(52.5170, 0.2859, 0.2665)$

Have a look what the booklet for
Yxy(52.5170, 0.2859, 0.2665)
contains.

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Color

Yxy(52.3194, 0.2859, 0.2662)

Conversions

Conversions Part 1

Format	Color
Hex	C8B7EE
RGB	200, 183, 238
RGB Percent	78%, 72%, 93%
CMY	0.2156, 0.2824, 0.0666
CMYK	0.16, 0.23, 0.00, 0.07
HSL	259°, 62%, 83%
HSV	259°, 23%, 93%
XYZ	56.1913, 52.3194, 88.0310
YIQ	194.3530, -7.5230, 20.7090

Conversions

Conversions Part 2

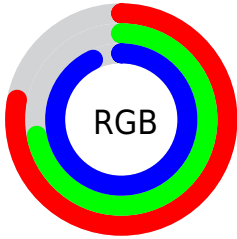
Format	Color
R _Y B	200, 183, 238
Decimal	13154286
CIE Lab	77.47, 16.75, -25.16
CIE LCh	77, 30.226, 303.651
Yxy	52.3194, 0.2859, 0.2662
Android (android.graphics.Color)	4291344366 (0xFFC8B7EE)
YUV	194.3530, 21.5180, 4.9524
Hunter-Lab	72.3322, 12.0866, -21.5257

Details

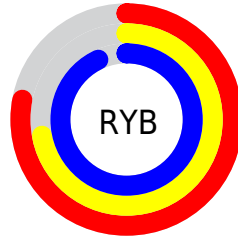
The Yxy color **52.3194, 0.2859, 0.2662** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.9405, 0.3355, 0.3891**, and the grayscale version is **54.0452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2130, 0.3134, 0.3136**, and **25.3624, 0.2779, 0.2508** is the 20% darker color. If you saturate the color by 10%, you get **41.1771, 0.2716, 0.2352**, and if you desaturate by 10%, it is **65.3692, 0.2986, 0.2951**.

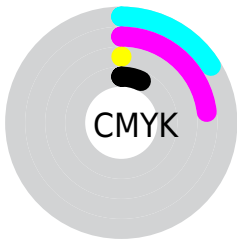
Distribution



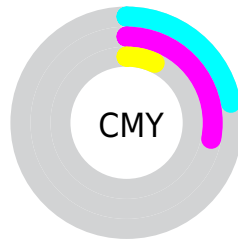
- Red (78%)
- Green (72%)
- Blue (93%)



- Red (78%)
- Yellow (72%)
- Blue (93%)



- Cyan (16%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)





- Cyan (22%)
- Magenta (28%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3194, 0.2859, 0.2662 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 52.3194, 0.2859, 0.2662 by changing the saturation by 10% instead.


 52.3194, 0.2859,
0.2662

 52.3194, 0.2859,
0.2662


395.6684, 0.2993,
0.2957

 37.2597, 0.2826,
0.2594

 93.6021, 0.2907,
0.2765

 25.4086, 0.2784,
0.2510


120.5939, 0.2926,
0.2805

 16.3818, 0.2730,
0.2403


152.3320, 0.2941,
0.2839

 9.7947, 0.2655,
0.2263

189.2005, 0.2954,
0.2869

 5.2631, 0.2548,
0.2073

231.5841, 0.2966,
0.2895

 2.4024, 0.2383,
0.1803

279.8670, 0.2976,

 0.8271, 0.2106,

0.2918

0.1397

334.4336, 0.2985,
0.2938

0.0000, 0.0848,
0.0000

0.0000, 0.0000,
0.0000

52.3194, 0.2859,
0.2662

52.3194, 0.2859,
0.2662

41.1771, 0.2716,
0.2352

65.3692, 0.2986,
0.2951

31.8448, 0.2557,
0.2030

80.4051, 0.3096,
0.3214

24.2258, 0.2389,
0.1707

97.5087, 0.3191,
0.3450

18.2119, 0.2216,
0.1402

98.9535, 0.3226,
0.3454

■ 13.6816, 0.2049,
0.1134

■ 10.4959, 0.1898,
0.0922

■ 8.4872, 0.1771,
0.0776

■ 7.6170, 0.1700,
0.0710

Harmonies

Analogous

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



52.3194, 0.2547, 0.2641



52.3194, 0.2859, 0.2662



52.3194, 0.3264, 0.2825

Triad

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



52.3194, 0.2859, 0.2662



52.3194, 0.3919, 0.3738



52.3194, 0.2612, 0.3471

Complementary

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



52.3194, 0.2859, 0.2662



79.9405, 0.3355, 0.3891

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.



52.3194, 0.2955, 0.3831



52.3194, 0.2859, 0.2662



52.3194, 0.3715, 0.3966

Square

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



52.3194, 0.2859, 0.2662



52.3194, 0.3899, 0.3421



52.3194, 0.3359, 0.4014



52.3194, 0.2412, 0.3079

Rectangle

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



52.3194, 0.2859, 0.2662



52.3194, 0.3534, 0.2996



52.3194, 0.3359, 0.4014



52.3194, 0.2714, 0.3603

Sweetspot

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



52.3216, 0.2859, 0.2662



86.8725, 0.3055, 0.3114



68.2196, 0.2770, 0.3101



18.3639, 0.3048, 0.3098



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.



52.3216, 0.2859, 0.2662



54.4148, 0.2789, 0.2510



56.3702, 0.3067, 0.2700



15.4661, 0.3028, 0.3049



4.3092, 0.1714, 0.0718



0.4091, 0.1854, 0.0795

Inverse Universe

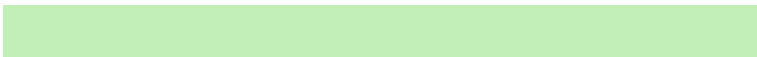
The Inverse Universe completely reimagines the original color for something new.



57.2625, 0.3287, 0.2885



61.2522, 0.3329, 0.2794



76.0412, 0.3169, 0.3927



15.9432, 0.3185, 0.3128



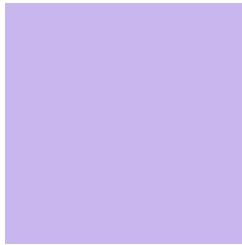
11.6670, 0.4182, 0.2077



0.9883, 0.4022, 0.1989

Previews

White Background



This preview shows how the Yxy color 52.3194, 0.2859, 0.2662 looks on a white background.

Color Contrast Check

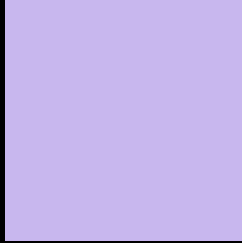
Large Text (above 18pt) WCAG AA × Fail

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 52.3194, 0.2859, 0.2662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

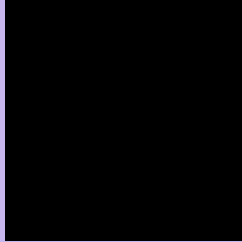
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3194, 0.2859, 0.2662

Background



This preview shows how black text looks on a background with the Yxy color 52.3194, 0.2859, 0.2662.



This preview shows how white text looks on a background with the Yxy color 52.3194, 0.2859, 0.2662.

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

52.3194, 0.2859, 0.2662

Protanopia

52.3312, 0.2674, 0.2654

Deuteranopia

52.6457, 0.2773, 0.2716



Tritanopia

52.2242, 0.3055, 0.3107

Trichromacy



Original Color

52.3194, 0.2859, 0.2662

Protanomaly

52.3306, 0.2740, 0.2660

Deuteranomaly

52.4387, 0.2808, 0.2698

Tritanomaly

52.2343, 0.2983, 0.2944

Monochromacy



Original Color

52.3194, 0.2859, 0.2662

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

53.2158, 0.3027, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3194, 0.2859, 0.2662 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(200, 183, 238)` looks like.

```
.text, #text, p{  
    color:rgb(200, 183, 238)  
}
```

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(200, 183, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 183, 238) }
```

Border

The CSS property to change the border of an element to Yxy 52.3194, 0.2859, 0.2662 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(200, 183, 238) }
```

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

```
.border{ border-color:rgb(200, 183, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 183, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 183, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 183, 238);  
box-shadow:4px 4px 4px 4px rgb(200, 183,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3194, 0.2859, 0.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 183, 238) }
```

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

```
.background{ background-color: rgb(200,  
183, 238) }
```

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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