

Converting Colors

$Y_{xy}(50.3095, 0.2658, 0.2402)$

Have a look what the booklet for
Yxy(50.3095, 0.2658, 0.2402)
contains.

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Color

Yxy(50.0079, 0.2673, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	BEB2FF
RGB	190, 178, 255
RGB Percent	75%, 70%, 100%
CMY	0.2547, 0.3020, 0.0001
CMYK	0.25, 0.30, 0.00, 0.00
HSL	249°, 100%, 85%
HSV	249°, 30%, 100%
XYZ	55.2132, 50.0079, 101.3378
YIQ	190.3660, -17.5650, 26.4910

Conversions

Conversions Part 2

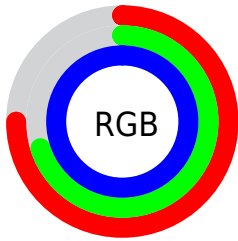
Format	Color
R _Y B	190, 178, 255
Decimal	12497663
CIE Lab	76.07, 20.32, -36.52
CIE LCh	76, 41.795, 299.095
Yxy	50.0079, 0.2673, 0.2421
Android (android.graphics.Color)	4290687743 (0xFFBEB2FF)
YUV	190.3660, 31.8646, -0.3210
Hunter-Lab	70.7163, 15.6141, -35.4623

Details

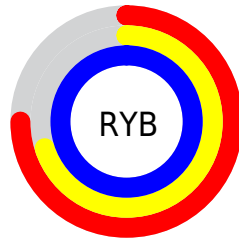
The Yxy color **50.0079, 0.2673, 0.2421** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.7659, 0.3503, 0.4069**, and the grayscale version is **51.5394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8398, 0.3084, 0.3084**, and **23.8953, 0.2548, 0.2212** is the 20% darker color. If you saturate the color by 10%, you get **38.2207, 0.2487, 0.2084**, and if you desaturate by 10%, it is **64.0933, 0.2843, 0.2738**.

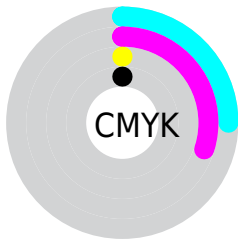
Distribution



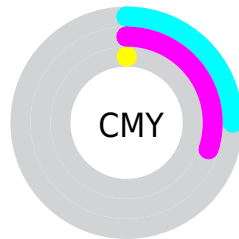
- Red (75%)
- Green (70%)
- Blue (100%)



- Red (75%)
- Yellow (70%)
- Blue (100%)



- Cyan (25%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0079, 0.2673, 0.2421 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 50.0079, 0.2673, 0.2421 by changing the saturation by 10% instead.


 50.0079, 0.2673,
0.2421

 50.0079, 0.2673,
0.2421


386.6968, 0.2898,
0.2824

 35.4197, 0.2619,
0.2330


 90.1866, 0.2754,
0.2560

 23.9863, 0.2550,
0.2218

116.5458, 0.2784,
0.2615

 15.3235, 0.2461,
0.2079


147.5975, 0.2810,
0.2662

 9.0467, 0.2342,
0.1900

183.7261, 0.2833,
0.2702

 4.7717, 0.2176,
0.1665

225.3159, 0.2852,
0.2738

 2.1139, 0.1933,
0.1348

272.7514, 0.2870,

 0.6724, 0.1563,

0.2770

0.0898

326.4169, 0.2885,
0.2799

0.0000, 0.0313,
0.0000

0.0000, 0.0000,
0.0000

50.0079, 0.2673,
0.2421

50.0079, 0.2673,
0.2421

38.2207, 0.2487,
0.2084

64.0933, 0.2843,
0.2738

28.6033, 0.2292,
0.1740

80.5843, 0.2993,
0.3027

21.0237, 0.2095,
0.1408

99.5886, 0.3125,
0.3285

15.3329, 0.1911,
0.1112

99.9991, 0.3127,
0.3290

■ 11.3611, 0.1753,
0.0876

■ 8.9075, 0.1633,
0.0716

■ 7.6693, 0.1555,
0.0630

Harmonies

Analogous

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



50.0079, 0.2284, 0.2415



50.0079, 0.2673, 0.2421



50.0079, 0.3221, 0.2614

Triad

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



50.0079, 0.2673, 0.2421



50.0079, 0.4252, 0.3819



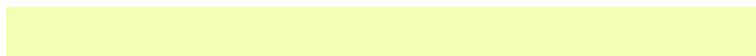
50.0079, 0.2470, 0.3628

Complementary

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



50.0079, 0.2673, 0.2421



93.7659, 0.3503, 0.4069

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.



50.0079, 0.2957, 0.4133



50.0079, 0.2673, 0.2421



50.0079, 0.3996, 0.4183

Square

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



50.0079, 0.2673, 0.2421



50.0079, 0.4182, 0.3379



50.0079, 0.3516, 0.4331



50.0079, 0.2173, 0.3054

Rectangle

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



50.0079, 0.2673, 0.2421



50.0079, 0.3610, 0.2828



50.0079, 0.3516, 0.4331



50.0079, 0.2616, 0.3818

Sweetspot

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



50.0099, 0.2673, 0.2421



82.7337, 0.3010, 0.3059



81.0458, 0.2676, 0.3163



17.1525, 0.2990, 0.3020



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.



50.0099, 0.2673, 0.2421



42.9014, 0.2567, 0.2227



55.5558, 0.2954, 0.2487



17.5144, 0.3003, 0.3046



4.0481, 0.1564, 0.0635



0.4318, 0.1652, 0.0684

Inverse Universe

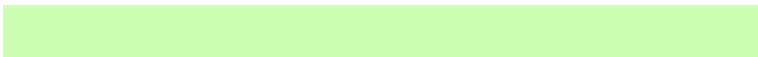
The Inverse Universe completely reimagines the original color for something new.



59.5603, 0.3255, 0.2644



53.8534, 0.3285, 0.2521



87.6956, 0.3252, 0.4136



18.2486, 0.3162, 0.3092



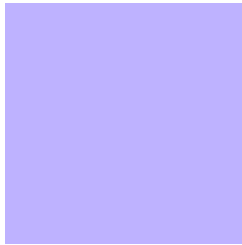
13.6920, 0.3651, 0.1785



1.3457, 0.3592, 0.1752

Previews

White Background



This preview shows how the Yxy color 50.0079, 0.2673, 0.2421 looks on a white background.

Color Contrast Check

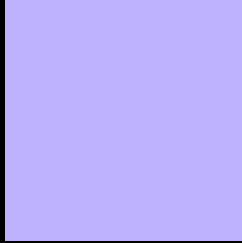
Large Text (above 18pt) WCAG AA × Fail

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 50.0079, 0.2673, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

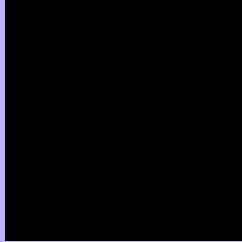
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0079, 0.2673, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 50.0079, 0.2673, 0.2421.

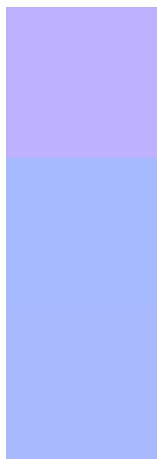


This preview shows how white text looks on a background with the Yxy color 50.0079, 0.2673, 0.2421.

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

50.0079, 0.2673, 0.2421

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.2887, 0.2546, 0.2482



Tritanopia

49.9815, 0.2952, 0.3100

Trichromacy



Original Color

50.0079, 0.2673, 0.2421

Protanomaly

49.7899, 0.2575, 0.2444

Deuteranomaly

49.9588, 0.2594, 0.2457

Tritanomaly

49.7453, 0.2848, 0.2828

Monochromacy



Original Color

50.0079, 0.2673, 0.2421

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.9200, 0.2951, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0079, 0.2673, 0.2421 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(190, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 178, 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(190, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.0079, 0.2673, 0.2421 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(190, 178, 255) }
```

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

```
.border{ border-color:rgb(190, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0079, 0.2673, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 178, 255) }
```

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

```
.background{ background-color: rgb(190,  
178, 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](#).

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