

Converting Colors

$Y_{xy}(50.2276, 0.2857, 0.2809)$

Have a look what the booklet for
Yxy(50.2276, 0.2857, 0.2809)
contains.

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Color

Yxy(50.2276, 0.2857, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	BBB8E0
RGB	187, 184, 224
RGB Percent	73%, 72%, 88%
CMY	0.2666, 0.2784, 0.1217
CMYK	0.16, 0.18, 0.00, 0.12
HSL	245°, 39%, 80%
HSV	245°, 18%, 88%
XYZ	51.0859, 50.2276, 77.4961
YIQ	189.4570, -11.0520, 13.0760

Conversions

Conversions Part 2

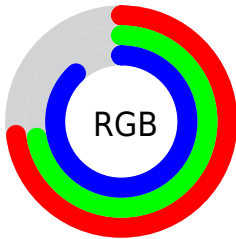
Format	Color
R _Y B	187, 184, 224
Decimal	12302560
CIE Lab	76.21, 9.08, -19.59
CIE LCh	76, 21.588, 294.863
Yxy	50.2276, 0.2857, 0.2809
Android (android.graphics.Color)	4290492640 (0xFFBBB8E0)
YUV	189.4570, 17.0297, -2.1548
Hunter-Lab	70.8714, 4.6422, -15.2221

Details

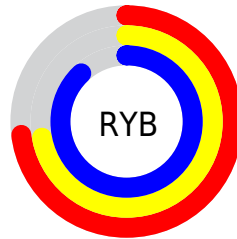
The Yxy color $50.2276, 0.2857, 0.2809$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $72.1179, 0.3372, 0.3735$, and the grayscale version is $51.0706, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.5949, 0.3056, 0.3142$, and $24.0837, 0.2775, 0.2679$ is the 20% darker color. If you saturate the color by 10%, you get $39.2226, 0.2678, 0.2496$, and if you desaturate by 10%, it is $63.0865, 0.3016, 0.3091$.

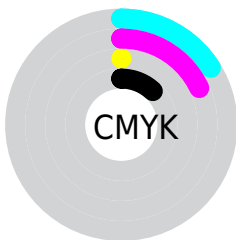
Distribution



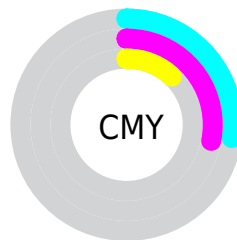
- Red (73%)
- Green (72%)
- Blue (88%)



- Red (73%)
- Yellow (72%)
- Blue (88%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (27%)
- Magenta (28%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2276, 0.2857, 0.2809 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 50.2276, 0.2857, 0.2809 by changing the saturation by 10% instead.

■ 50.2276, 0.2857,
0.2809

■ 50.2276, 0.2857,
0.2809

■ 387.5553, 0.2991,
0.3040

■ 35.5943, 0.2824,
0.2754

■ 90.5120, 0.2905,
0.2891

■ 24.1210, 0.2782,
0.2685

■ 116.9319, 0.2924,
0.2922

■ 15.4234, 0.2727,
0.2597

■ 148.0494, 0.2939,
0.2949

■ 9.1171, 0.2652,
0.2478

■ 184.2489, 0.2952,
0.2972

■ 4.8176, 0.2543,
0.2312

■ 225.9149, 0.2964,
0.2992

■ 2.1407, 0.2372,
0.2064

■ 273.4317, 0.2974,

■ 0.6873, 0.2083,

0.3010

0.1636

327.1837, 0.2983,
0.3026

0.0000, 0.0000,
0.0000

50.2276, 0.2857,
0.2809

50.2276, 0.2857,
0.2809

39.2226, 0.2678,
0.2496

63.0865, 0.3016,
0.3091

29.9802, 0.2483,
0.2158

77.8727, 0.3156,
0.3341

22.4104, 0.2277,
0.1808

94.6633, 0.3276,
0.3559

16.4130, 0.2072,
0.1465

98.1598, 0.3310,
0.3592

11.8772, 0.1881,
0.1153

■ 8.6775, 0.1720,
0.0898

■ 6.6671, 0.1601,
0.0721

■ 5.6476, 0.1530,
0.0625

■ 5.4975, 0.1520,
0.0611

Harmonies

Analogous

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



50.2276, 0.2654, 0.2833



50.2276, 0.2857, 0.2809



50.2276, 0.3141, 0.2901

Triad

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



50.2276, 0.2857, 0.2809



50.2276, 0.3713, 0.3562



50.2276, 0.2819, 0.3504

Complementary

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



50.2276, 0.2857, 0.2809



72.1179, 0.3372, 0.3735

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.



50.2276, 0.3092, 0.3728



50.2276, 0.2857, 0.2809



50.2276, 0.3614, 0.3747

Square

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



50.2276, 0.2857, 0.2809



50.2276, 0.3647, 0.3321



50.2276, 0.3384, 0.3816



50.2276, 0.2632, 0.3223

Rectangle

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



50.2276, 0.2857, 0.2809



50.2276, 0.3340, 0.3015



50.2276, 0.3384, 0.3816



50.2276, 0.2903, 0.3590

Sweetspot

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



50.2297, 0.2857, 0.2809



89.9650, 0.3057, 0.3165



67.4419, 0.2858, 0.3258



18.9658, 0.3047, 0.3147



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.



50.2297, 0.2857, 0.2809



62.2503, 0.2800, 0.2709



52.8784, 0.3009, 0.2830



13.2923, 0.2992, 0.3048



3.2199, 0.1525, 0.0614



0.2406, 0.1595, 0.0652

Inverse Universe

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



55.3434, 0.3171, 0.2881



70.2068, 0.3180, 0.2803



69.2143, 0.3228, 0.3756



13.9169, 0.3149, 0.3076



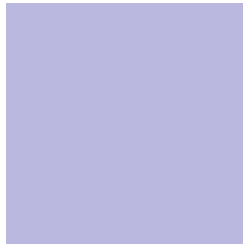
11.8587, 0.3407, 0.1650



0.8274, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 50.2276, 0.2857, 0.2809 looks on a white background.

Color Contrast Check

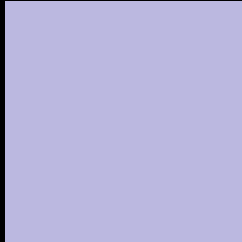
Large Text (above 18pt) WCAG AA × Fail

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 50.2276, 0.2857, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

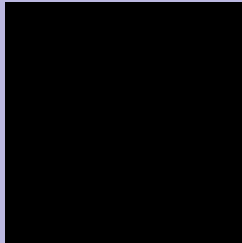
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2276, 0.2857, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 50.2276, 0.2857, 0.2809.



This preview shows how white text looks on a background with the Yxy color 50.2276, 0.2857, 0.2809.

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

50.2276, 0.2857, 0.2809

Protanopia

50.1378, 0.2792, 0.2814

Deuteranopia

50.3542, 0.2864, 0.2810



Tritanopia

50.3455, 0.2975, 0.3102

Trichromacy



Original Color

50.2276, 0.2857, 0.2809

Protanomaly

50.0793, 0.2813, 0.2805

Deuteranomaly

50.3542, 0.2864, 0.2810

Tritanomaly

50.4341, 0.2926, 0.2993

Monochromacy



Original Color

50.2276, 0.2857, 0.2809

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.4963, 0.3022, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2276, 0.2857, 0.2809 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(187, 184, 224)` looks like.

```
.text, #text, p{  
    color:rgb(187, 184, 224)  
}
```

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(187, 184, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 184, 224) }
```

Border

The CSS property to change the border of an element to Yxy 50.2276, 0.2857, 0.2809 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(187, 184, 224) }
```

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

```
.border{ border-color:rgb(187, 184, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 184, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 184, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 184, 224);  
box-shadow:4px 4px 4px 4px rgb(187, 184,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2276, 0.2857, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 184, 224) }
```

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

```
.background{ background-color: rgb(187,  
184, 224) }
```

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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