

Converting Colors

$Y_{xy}(48.5500, 0.2855, 0.2727)$

Have a look what the booklet for
Yxy(48.5500, 0.2855, 0.2727)
contains.

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Color

Yxy(48.5500, 0.2855, 0.2727)

Conversions

Conversions Part 1

Format	Color
Hex	BDB3E2
RGB	189, 179, 226
RGB Percent	74%, 70%, 89%
CMY	0.2590, 0.2980, 0.1137
CMYK	0.16, 0.21, 0.00, 0.11
HSL	253°, 45%, 79%
HSV	253°, 21%, 89%
XYZ	50.8288, 48.5500, 78.6556
YIQ	187.3480, -9.1270, 16.7370

Conversions

Conversions Part 2

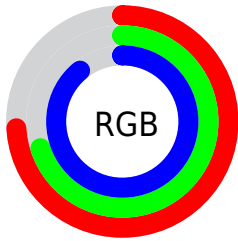
Format	Color
R_{YB}	189, 179, 226
Decimal	12432354
CIE _{Lab}	75.17, 12.87, -22.26
CIE _{LCh}	75, 25.715, 300.029
Yxy	48.5500, 0.2855, 0.2727
Android (android.graphics.Color)	4290622434 (0xFFBDB3E2)
YUV	187.3480, 19.0554, 1.4488
Hunter-Lab	69.6778, 8.2766, -18.1549

Details

The Yxy color $48.5500, 0.2855, 0.2727$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $72.2666, 0.3366, 0.3820$, and the grayscale version is $49.7940, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.2295, 0.3077, 0.3094$, and $23.0129, 0.2772, 0.2572$ is the 20% darker color. If you saturate the color by 10%, you get $38.0820, 0.2696, 0.2415$, and if you desaturate by 10%, it is $60.7868, 0.2996, 0.3013$.

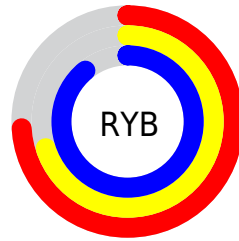
Distribution



Red (74%)

Green (70%)

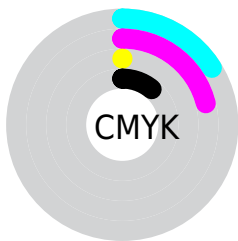
Blue (89%)



Red (74%)

Yellow (70%)

Blue (89%)

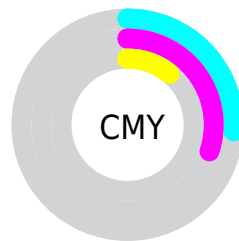


Cyan (16%)

Magenta (21%)

Yellow (0%)

Black (11%)



Cyan (26%)


Magenta (30%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5500, 0.2855, 0.2727 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 48.5500, 0.2855, 0.2727 by changing the saturation by 10% instead.


 48.5500, 0.2855,
0.2727

 48.5500, 0.2855,
0.2727

380.9681, 0.2992,
0.2997

 34.2626, 0.2821,
0.2663


 88.0227, 0.2905,
0.2822

 23.0954, 0.2778,
0.2584


113.9769, 0.2923,
0.2859

 14.6640, 0.2720,
0.2481


144.5888, 0.2939,
0.2890

 8.5839, 0.2642,
0.2344

180.2428, 0.2952,
0.2917

 4.4708, 0.2527,
0.2155

221.3234, 0.2964,
0.2941

 1.9403, 0.2346,
0.1876

268.2148, 0.2974,

 0.5724, 0.2047,

0.2962

0.1365

321.3016, 0.2983,
0.2980

0.0000, 0.0000,
0.0000

48.5500, 0.2855,
0.2727

48.5500, 0.2855,
0.2727

38.0820, 0.2696,
0.2415

60.7868, 0.2996,
0.3013

29.2944, 0.2522,
0.2085

74.8632, 0.3118,
0.3271

22.1001, 0.2337,
0.1750

90.8536, 0.3224,
0.3499

16.4019, 0.2149,
0.1427

98.2720, 0.3297,
0.3572

12.0916, 0.1970,
0.1138

■ 9.0459, 0.1811,
0.0906

■ 7.1194, 0.1684,
0.0744

■ 6.1167, 0.1599,
0.0655

Harmonies

Analogous

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



48.5500, 0.2593, 0.2728



48.5500, 0.2855, 0.2727



48.5500, 0.3204, 0.2857

Triad

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



48.5500, 0.2855, 0.2727



48.5500, 0.3827, 0.3656



48.5500, 0.2708, 0.3490

Complementary

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



48.5500, 0.2855, 0.2727



72.2666, 0.3366, 0.3820

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.



48.5500, 0.3021, 0.3787



48.5500, 0.2855, 0.2727



48.5500, 0.3673, 0.3865

Square

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



48.5500, 0.2855, 0.2727



48.5500, 0.3783, 0.3374



48.5500, 0.3375, 0.3924



48.5500, 0.2512, 0.3148

Rectangle

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



48.5500, 0.2855, 0.2727



48.5500, 0.3442, 0.3003



48.5500, 0.3375, 0.3924



48.5500, 0.2802, 0.3601

Sweetspot

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



48.5520, 0.2855, 0.2727



88.4076, 0.3056, 0.3139



64.5058, 0.2810, 0.3178



18.6645, 0.3048, 0.3122



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.



48.5520, 0.2855, 0.2727



57.5339, 0.2788, 0.2594



51.7223, 0.3037, 0.2756



13.3824, 0.3013, 0.3050



3.5306, 0.1611, 0.0661



0.2833, 0.1758, 0.0742

Inverse Universe

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



53.3786, 0.3230, 0.2879



65.0117, 0.3256, 0.2790



69.0102, 0.3199, 0.3848



13.8833, 0.3170, 0.3107



11.0796, 0.3827, 0.1882



0.7806, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 48.5500, 0.2855, 0.2727 looks on a white background.

Color Contrast Check

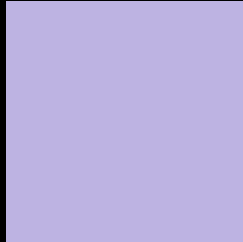
Large Text (above 18pt) WCAG AA × Fail

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 48.5500, 0.2855, 0.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

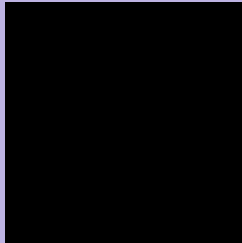
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5500, 0.2855, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 48.5500, 0.2855, 0.2727.



This preview shows how white text looks on a background with the Yxy color 48.5500, 0.2855, 0.2727.

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

48.5500, 0.2855, 0.2727

Protanopia

48.5228, 0.2727, 0.2726

Deuteranopia

48.6060, 0.2811, 0.2745



Tritanopia

48.5485, 0.3020, 0.3113

Trichromacy



Original Color

48.5500, 0.2855, 0.2727

Protanomaly

48.6410, 0.2769, 0.2730

Deuteranomaly

48.4478, 0.2825, 0.2735

Tritanomaly

48.4491, 0.2962, 0.2967

Monochromacy



Original Color

48.5500, 0.2855, 0.2727

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.1894, 0.3030, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5500, 0.2855, 0.2727 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, 179, 226)` looks like.

```
.text, #text, p{  
  color:rgb(189, 179, 226)  
}
```

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, 179, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 179, 226) }
```

Border

The CSS property to change the border of an element to Yxy 48.5500, 0.2855, 0.2727 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, 179, 226) }
```

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

```
.border{ border-color:rgb(189, 179, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 179, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 179, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 179, 226);  
box-shadow:4px 4px 4px 4px rgb(189, 179,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5500, 0.2855, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 179, 226) }
```

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

```
.background{ background-color: rgb(189,  
179, 226) }
```

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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