

Converting Colors

$Y_{xy}(49.4650, 0.2921, 0.2854)$

Have a look what the booklet for
Yxy(49.4650, 0.2921, 0.2854)
contains.

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Color

Yxy(49.4650, 0.2921, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	BEB6DA
RGB	190, 182, 218
RGB Percent	75%, 71%, 85%
CMY	0.2548, 0.2863, 0.1450
CMYK	0.13, 0.17, 0.00, 0.14
HSL	253°, 33%, 78%
HSV	253°, 17%, 86%
XYZ	50.6262, 49.4650, 73.2269
YIQ	188.4960, -6.7880, 12.8920

Conversions

Conversions Part 2

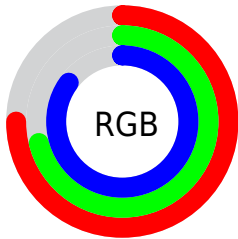
Format	Color
R _Y B	190, 182, 218
Decimal	12498650
CIE Lab	75.74, 9.88, -17.05
CIE LCh	76, 19.708, 300.073
Yxy	49.4650, 0.2921, 0.2854
Android (android.graphics.Color)	4290688730 (0xFFBEB6DA)
YUV	188.4960, 14.5455, 1.3190
Hunter-Lab	70.3314, 5.4088, -12.4990

Details

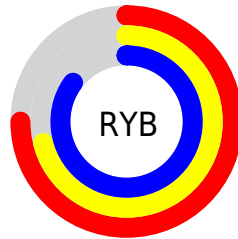
The Yxy color $49.4650, 0.2921, 0.2854$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $67.2337, 0.3313, 0.3707$, and the grayscale version is $50.5085, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.9619, 0.3076, 0.3124$, and $23.5791, 0.2859, 0.2739$ is the 20% darker color. If you saturate the color by 10%, you get $39.1654, 0.2773, 0.2554$, and if you desaturate by 10%, it is $61.4125, 0.3052, 0.3127$.

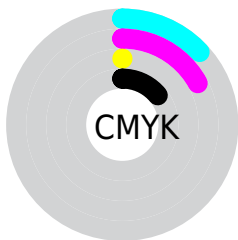
Distribution



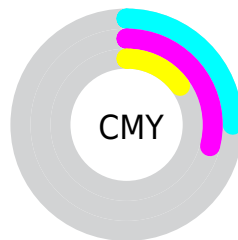
- Red (75%)
- Green (71%)
- Blue (85%)



- Red (75%)
- Yellow (71%)
- Blue (85%)



- Cyan (13%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)





- Cyan (25%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4650, 0.2921, 0.2854 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 49.4650, 0.2921, 0.2854 by changing the saturation by 10% instead.

 49.4650, 0.2921,
0.2854

 49.4650, 0.2921,
0.2854

384.5701, 0.3024,
0.3064

 34.9885, 0.2895,
0.2804


 89.3817, 0.2958,
0.2929

 23.6540, 0.2863,
0.2741


115.5907, 0.2972,
0.2957

 15.0772, 0.2819,
0.2659


146.4792, 0.2984,
0.2982

 8.8736, 0.2759,
0.2549

182.4318, 0.2995,
0.3003

 4.6588, 0.2671,
0.2394

223.8328, 0.3003,
0.3021

 2.0485, 0.2531,
0.2160

271.0666, 0.3011,


 0.6354, 0.2291,


0.3037


0.1723


324.5175, 0.3018,
0.3052

 0.0000, 0.0000,
0.0000


 49.4650, 0.2921,
0.2854


 49.4650, 0.2921,
0.2854


 39.1654, 0.2773,
0.2554

 61.4125, 0.3052,
0.3127

 30.4347, 0.2607,
0.2232

 75.0698, 0.3164,
0.3372

 23.1967, 0.2428,
0.1900

 90.5035, 0.3261,
0.3588

 17.3663, 0.2243,
0.1571

 97.8434, 0.3345,
0.3651

 12.8495, 0.2060,
0.1266

■ 9.5407, 0.1892,
0.1007

■ 7.3176, 0.1749,
0.0813

■ 6.0266, 0.1641,
0.0692

■ 5.7075, 0.1611,
0.0661

Harmonies

Analogous

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



49.4650, 0.2717, 0.2858



49.4650, 0.2921, 0.2854



49.4650, 0.3189, 0.2955

Triad

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



49.4650, 0.2921, 0.2854



49.4650, 0.3659, 0.3577



49.4650, 0.2807, 0.3443

Complementary

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



49.4650, 0.2921, 0.2854



67.2337, 0.3313, 0.3707

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.



49.4650, 0.3049, 0.3662



49.4650, 0.2921, 0.2854



49.4650, 0.3545, 0.3730

Square

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



49.4650, 0.2921, 0.2854



49.4650, 0.3625, 0.3360



49.4650, 0.3319, 0.3768



49.4650, 0.2653, 0.3186

Rectangle

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



49.4650, 0.2921, 0.2854



49.4650, 0.3368, 0.3069



49.4650, 0.3319, 0.3768



49.4650, 0.2880, 0.3524

Sweetspot

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



49.4671, 0.2921, 0.2854



90.3027, 0.3069, 0.3165



61.2091, 0.2874, 0.3196



19.0476, 0.3061, 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.



49.4671, 0.2921, 0.2854



64.9102, 0.2869, 0.2747



51.8993, 0.3063, 0.2872



12.7566, 0.3015, 0.3051



3.4579, 0.1622, 0.0667



0.2626, 0.1783, 0.0756

Inverse Universe

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



53.0146, 0.3209, 0.2970



70.9544, 0.3230, 0.2898



64.7668, 0.3180, 0.3724



13.2225, 0.3172, 0.3110



10.6711, 0.3865, 0.1903



0.7038, 0.3737, 0.1832

Previews

White Background



This preview shows how the Yxy color 49.4650, 0.2921, 0.2854 looks on a white background.

Color Contrast Check

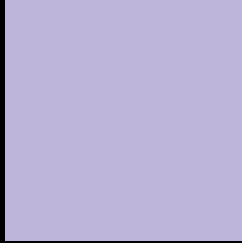
Large Text (above 18pt) WCAG AA × Fail

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 49.4650, 0.2921, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

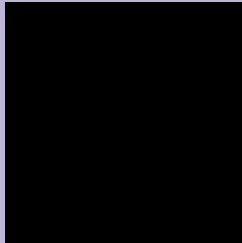
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4650, 0.2921, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 49.4650, 0.2921, 0.2854.



This preview shows how white text looks on a background with the Yxy color 49.4650, 0.2921, 0.2854.

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

49.4650, 0.2921, 0.2854

Protanopia

49.5685, 0.2832, 0.2859

Deuteranopia

49.4650, 0.2921, 0.2854



Tritanopia

49.4328, 0.3029, 0.3102

Trichromacy



Original Color

49.4650, 0.2921, 0.2854

Protanomaly

49.5858, 0.2868, 0.2862

Deuteranomaly

49.4650, 0.2921, 0.2854

Tritanomaly

49.4773, 0.2985, 0.3006

Monochromacy



Original Color

49.4650, 0.2921, 0.2854

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.1068, 0.3045, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4650, 0.2921, 0.2854 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, 182, 218)` looks like.

```
.text, #text, p{  
    color:rgb(190, 182, 218)  
}
```

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, 182, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 182, 218) }
```

Border

The CSS property to change the border of an element to Yxy 49.4650, 0.2921, 0.2854 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, 182, 218) }
```

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

```
.border{ border-color:rgb(190, 182, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 182, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 182, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 182, 218);  
box-shadow:4px 4px 4px 4px rgb(190, 182,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4650, 0.2921, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 182, 218) }
```

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

```
.background{ background-color: rgb(190,  
182, 218) }
```

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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