

Converting Colors

$Y_{xy}(48.6329, 0.2918, 0.2830)$

Have a look what the booklet for
Yxy(48.6329, 0.2918, 0.2830)
contains.

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Color

Yxy(48.6516, 0.2920, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	BEB4DA
RGB	190, 180, 218
RGB Percent	75%, 71%, 85%
CMY	0.2551, 0.2940, 0.1452
CMYK	0.13, 0.17, 0.00, 0.15
HSL	256°, 34%, 78%
HSV	256°, 17%, 85%
XYZ	50.1988, 48.6516, 73.0634
YIQ	187.3220, -6.2380, 13.9380

Conversions

Conversions Part 2

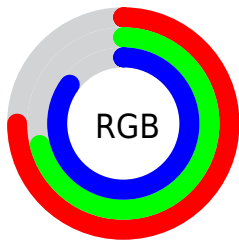
Format	Color
RYB	190, 180, 218
Decimal	12498138
CIELab	75.23, 10.91, -17.80
CIELCh	75, 20.875, 301.514
Yxy	48.6516, 0.2920, 0.2830
Android (android.graphics.Color)	4290688218 (0xFFBEB4DA)
YUV	187.3220, 15.1243, 2.3486
Hunter-Lab	69.7507, 6.4008, -13.2804

Details

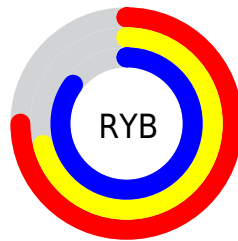
The Yxy color **48.6516, 0.2920, 0.2830** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.8506, 0.3312, 0.3731**, and the grayscale version is **49.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9851, 0.3083, 0.3104**, and **23.0573, 0.2857, 0.2705** is the 20% darker color. If you saturate the color by 10%, you get **38.5726, 0.2777, 0.2530**, and if you desaturate by 10%, it is **60.3478, 0.3045, 0.3104**.

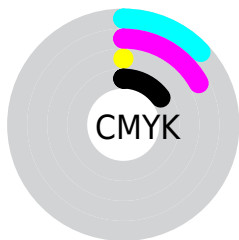
Distribution



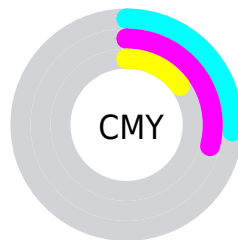
- Red (75%)
- Green (71%)
- Blue (85%)



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



- Cyan (13%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (26%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6516, 0.2920, 0.2830 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 48.6516, 0.2920, 0.2830 by changing the saturation by 10% instead.

■ 48.6516, 0.2920,
0.2830

■ 48.6516, 0.2920,
0.2830

381.3691, 0.3024,
0.3052

■ 34.3432, 0.2894,
0.2777

■ 88.1738, 0.2958,
0.2909

■ 23.1574, 0.2861,
0.2710

114.1563, 0.2972,
0.2939

■ 14.7098, 0.2816,
0.2624

144.7991, 0.2984,
0.2965

■ 8.6159, 0.2755,
0.2508

180.4864, 0.2994,
0.2987

■ 4.4915, 0.2665,
0.2345

221.6026, 0.3003,
0.3006

■ 1.9521, 0.2520,
0.2099


268.5323, 0.3011,


■ 0.5794, 0.2277,


0.3023


0.1615


321.6596, 0.3018,
0.3039


 0.0000, 0.0000,
0.0000

 48.6516, 0.2920,
0.2830


 48.6516, 0.2920,
0.2830


 38.5726, 0.2777,
0.2530


 60.3478, 0.3045,
0.3104


 30.0329, 0.2618,
0.2211


 73.7225, 0.3154,
0.3351


 22.9569, 0.2446,
0.1882

 88.8413, 0.3246,
0.3570

 17.2605, 0.2267,
0.1560

 97.7188, 0.3341,
0.3652

 12.8504, 0.2089,
0.1262

 97.8412, 0.3346,
0.3651

■ 9.6217, 0.1924,
0.1011

■ 7.4523, 0.1783,
0.0824

■ 6.1795, 0.1673,
0.0706

■ 5.9298, 0.1648,
0.0682

Harmonies

Analogous

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



48.6516, 0.2699, 0.2828



48.6516, 0.2920, 0.2830



48.6516, 0.3206, 0.2942

Triad

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



48.6516, 0.2920, 0.2830



48.6516, 0.3692, 0.3604



48.6516, 0.2776, 0.3440

Complementary

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



48.6516, 0.2920, 0.2830



66.8506, 0.3312, 0.3731

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.



48.6516, 0.3029, 0.3679



48.6516, 0.2920, 0.2830



48.6516, 0.3562, 0.3764

Square

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



48.6516, 0.2920, 0.2830



48.6516, 0.3663, 0.3375



48.6516, 0.3318, 0.3798



48.6516, 0.2619, 0.3166

Rectangle

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



48.6516, 0.2920, 0.2830



48.6516, 0.3397, 0.3065



48.6516, 0.3318, 0.3798



48.6516, 0.2852, 0.3528

Sweetspot

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



48.6536, 0.2920, 0.2830



90.3904, 0.3072, 0.3165



60.1208, 0.2860, 0.3175



19.0688, 0.3064, 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.



48.6536, 0.2920, 0.2830



63.7176, 0.2868, 0.2720



51.1955, 0.3069, 0.2850



12.7809, 0.3021, 0.3051



3.5976, 0.1661, 0.0689



0.2746, 0.1831, 0.0782

Inverse Universe

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



52.1130, 0.3226, 0.2969



69.5947, 0.3251, 0.2897



64.3160, 0.3174, 0.3751



13.2137, 0.3177, 0.3119



10.4908, 0.3999, 0.1977



0.6935, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 48.6516, 0.2920, 0.2830 looks on a white background.

Color Contrast Check

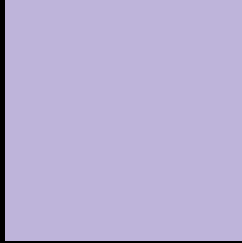
Large Text (above 18pt) WCAG AA × Fail

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 48.6516, 0.2920, 0.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

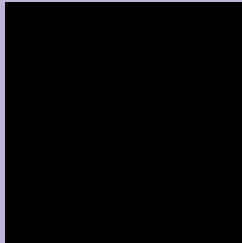
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6516, 0.2920, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 48.6516, 0.2920, 0.2830.



This preview shows how white text looks on a background with the Yxy color 48.6516, 0.2920, 0.2830.

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

48.6516, 0.2920, 0.2830

Protanopia

48.9133, 0.2816, 0.2845

Deuteranopia

48.6745, 0.2897, 0.2839



Tritanopia

48.5090, 0.3045, 0.3101

Trichromacy



Original Color

48.6516, 0.2920, 0.2830

Protanomaly

48.9265, 0.2853, 0.2848

Deuteranomaly

48.8011, 0.2905, 0.2840

Tritanomaly

48.5550, 0.3000, 0.3004

Monochromacy



Original Color

48.6516, 0.2920, 0.2830

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0496, 0.3053, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6516, 0.2920, 0.2830 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, 180, 218)` looks like.

```
.text, #text, p{  
    color:rgb(190, 180, 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, 180, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 180, 218) }
```

Border

The CSS property to change the border of an element to Yxy 48.6516, 0.2920, 0.2830 is called "border". The border property can be set on classes, ids or directly on the HTML element.

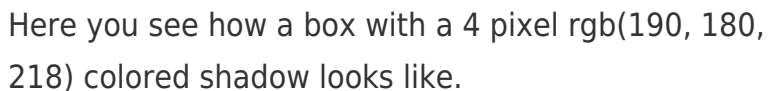
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 180, 218) }
```

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

```
.border{ border-color:rgb(190, 180, 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, 180, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 180, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 180, 218); box-shadow:4px 4px 4px 4px rgb(190, 180, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6516, 0.2920, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 180, 218) }
```

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

```
.background{ background-color: rgb(190,  
180, 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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