

Converting Colors

$Y_{xy}(49.5704, 0.3045, 0.2910)$

Have a look what the booklet for
Yxy(49.5704, 0.3045, 0.2910)
contains.

Yxy(49.6753, 0.3045, 0.2908)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.6753, 0.3045, 0.2908)

Conversions

Conversions Part 1

Format	Color
Hex	C8B4D4
RGB	200, 180, 212
RGB Percent	78%, 71%, 83%
CMY	0.2158, 0.2940, 0.1686
CMYK	0.06, 0.15, 0.00, 0.17
HSL	277°, 27%, 77%
HSV	277°, 15%, 83%
XYZ	52.0156, 49.6753, 69.1320
YIQ	189.6280, 1.6480, 14.1920

Conversions

Conversions Part 2

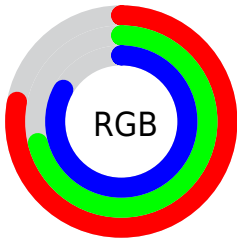
Format	Color
R _Y B	200, 180, 212
Decimal	13153492
CIE Lab	75.87, 12.99, -13.50
CIE LCh	76, 18.736, 313.894
Yxy	49.6753, 0.3045, 0.2908
Android (android.graphics.Color)	4291343572 (0xFFC8B4D4)
YUV	189.6280, 11.0294, 9.0962
Hunter-Lab	70.4807, 8.3938, -8.8190

Details

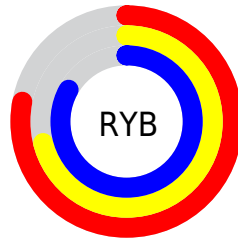
The Yxy color $49.6753, 0.3045, 0.2908$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $61.5961, 0.3198, 0.3680$, and the grayscale version is $51.2009, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.4709, 0.3136, 0.3107$, and $23.7241, 0.3025, 0.2811$ is the 20% darker color. If you saturate the color by 10%, you get $40.6912, 0.2978, 0.2636$, and if you desaturate by 10%, it is $60.0301, 0.3102, 0.3166$.

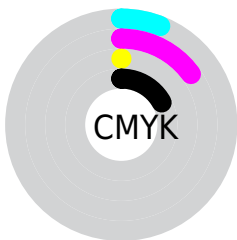
Distribution



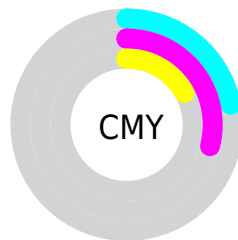
- Red (78%)
- Green (71%)
- Blue (83%)



- Red (78%)
- Yellow (71%)
- Blue (83%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)





- Cyan (22%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6753, 0.3045, 0.2908 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 49.6753, 0.3045, 0.2908 by changing the saturation by 10% instead.

 49.6753, 0.3045,
0.2908

 49.6753, 0.3045,
0.2908


385.3948, 0.3087,
0.3092

 35.1555, 0.3034,
0.2864


 89.6936, 0.3061,
0.2973

 23.7827, 0.3020,
0.2809


115.9609, 0.3066,
0.2998

 15.1725, 0.3001,
0.2737

146.9127, 0.3071,
0.3020

 8.9405, 0.2974,
0.2641

182.9336, 0.3076,
0.3038

 4.7024, 0.2933,
0.2505

224.4078, 0.3079,
0.3054

 2.0737, 0.2864,
0.2298

271.7198, 0.3082,

 0.6498, 0.2747,

0.3068

0.1902

325.2540, 0.3085,
0.3081

0.0000, 0.0000,
0.0000

49.6753, 0.3045,
0.2908

49.6753, 0.3045,
0.2908

40.6912, 0.2978,
0.2636

60.0301, 0.3102,
0.3166

33.0114, 0.2902,
0.2354

71.8057, 0.3150,
0.3405

26.5732, 0.2815,
0.2073

85.0572, 0.3189,
0.3625

21.3062, 0.2721,
0.1803

93.4096, 0.3231,
0.3731

17.1328, 0.2621,
0.1557

94.7748, 0.3282,
0.3724

■ 13.9657, 0.2518,
0.1347

■ 96.2015, 0.3335,
0.3717

■ 11.7037, 0.2417,
0.1183

■ 97.5334, 0.3382,
0.3711

■ 10.2232, 0.2322,
0.1071

■ 9.6741, 0.2277,
0.1028

Harmonies

Analogous

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



49.6753, 0.2816, 0.2864



49.6753, 0.3045, 0.2908



49.6753, 0.3305, 0.3044

Triad

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



49.6753, 0.3045, 0.2908



49.6753, 0.3599, 0.3641



49.6753, 0.2743, 0.3323

Complementary

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



49.6753, 0.3045, 0.2908



61.5961, 0.3198, 0.3680

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.



49.6753, 0.2940, 0.3556



49.6753, 0.3045, 0.2908



49.6753, 0.3435, 0.3740

Square

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



49.6753, 0.3045, 0.2908



49.6753, 0.3633, 0.3456



49.6753, 0.3193, 0.3713



49.6753, 0.2647, 0.3090

Rectangle

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



49.6753, 0.3045, 0.2908



49.6753, 0.3460, 0.3170



49.6753, 0.3193, 0.3713



49.6753, 0.2799, 0.3404

Sweetspot

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



49.6774, 0.3045, 0.2908



91.2342, 0.3102, 0.3167



52.2804, 0.2891, 0.3046



19.2737, 0.3098, 0.3149



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.



49.6774, 0.3045, 0.2908



70.9988, 0.3025, 0.2825



51.2143, 0.3174, 0.2961



12.3883, 0.3078, 0.3056



6.0314, 0.2289, 0.1035



0.4104, 0.2448, 0.1122

Inverse Universe

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



50.4554, 0.3306, 0.3148



72.4219, 0.3350, 0.3117



60.2418, 0.3083, 0.3642



12.4974, 0.3233, 0.3203



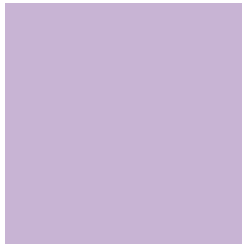
9.0149, 0.5459, 0.2781



0.5596, 0.4988, 0.2522

Previews

White Background



This preview shows how the Yxy color 49.6753, 0.3045, 0.2908 looks on a white background.

Color Contrast Check

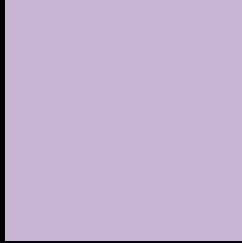
Large Text (above 18pt) WCAG AA × Fail

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 49.6753, 0.3045, 0.2908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

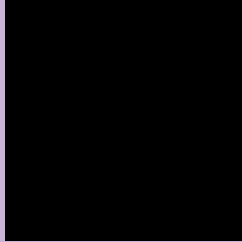
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6753, 0.3045, 0.2908

Background



This preview shows how black text looks on a background with the Yxy color 49.6753, 0.3045, 0.2908.



This preview shows how white text looks on a background with the Yxy color 49.6753, 0.3045, 0.2908.

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

49.6753, 0.3045, 0.2908

Protanopia

50.0208, 0.2875, 0.2920

Deuteranopia

49.6787, 0.2996, 0.2927



Tritanopia

49.9040, 0.3144, 0.3119

Trichromacy



Original Color

49.6753, 0.3045, 0.2908

Protanomaly

50.0061, 0.2935, 0.2913

Deuteranomaly

49.5370, 0.3013, 0.2916

Tritanomaly

49.8623, 0.3113, 0.3047

Monochromacy



Original Color

49.6753, 0.3045, 0.2908

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.6644, 0.3101, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6753, 0.3045, 0.2908 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(200, 180, 212)` looks like.

```
.text, #text, p{  
    color:rgb(200, 180, 212)  
}
```

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(200, 180, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 180, 212) }
```

Border

The CSS property to change the border of an element to Yxy 49.6753, 0.3045, 0.2908 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(200, 180, 212) }
```

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

```
.border{ border-color:rgb(200, 180, 212) }
```

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

Here you see how a box with a 4 pixel rgb(200, 180, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(200, 180,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6753, 0.3045, 0.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 180, 212) }
```

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

```
.background{ background-color: rgb(200,  
180, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor