

Converting Colors

$Y_{xy}(43.7013, 0.2862, 0.2669)$

Have a look what the booklet for
Yxy(43.7013, 0.2862, 0.2669)
contains.

Yxy(43.6808, 0.2860, 0.2673)	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(43.6808, 0.2860, 0.2673)

Conversions

Conversions Part 1

Format	Color
Hex	B8A9DB
RGB	184, 169, 219
RGB Percent	72%, 66%, 86%
CMY	0.2786, 0.3372, 0.1411
CMYK	0.16, 0.23, 0.00, 0.14
HSL	258°, 41%, 76%
HSV	258°, 23%, 86%
XYZ	46.7367, 43.6808, 72.9974
YIQ	179.1850, -7.1100, 18.7300

Conversions

Conversions Part 2

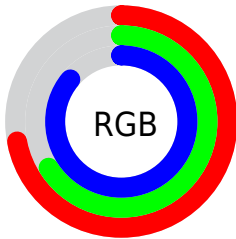
Format	Color
RYB	184, 169, 219
Decimal	12102107
CIELab	72.01, 15.27, -23.29
CIELCh	72, 27.855, 303.254
Yxy	43.6808, 0.2860, 0.2673
Android (android.graphics.Color)	4290292187 (0xFFB8A9DB)
YUV	179.1850, 19.6288, 4.2228
Hunter-Lab	66.0915, 10.5665, -19.2213

Details

The Yxy color $43.6808, 0.2860, 0.2673$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $66.3841, 0.3355, 0.3879$, and the grayscale version is $45.0785, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.0566, 0.3039, 0.2980$, and $20.1487, 0.2775, 0.2511$ is the 20% darker color. If you saturate the color by 10%, you get $34.4100, 0.2716, 0.2365$, and if you desaturate by 10%, it is $54.5259, 0.2988, 0.2960$.

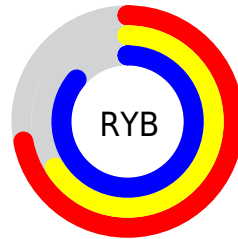
Distribution



Red (72%)

Green (66%)

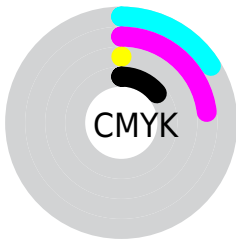
Blue (86%)



Red (72%)

Yellow (66%)

Blue (86%)

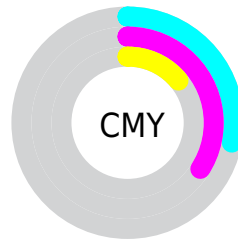


Cyan (16%)

Magenta (23%)

Yellow (0%)

Black (14%)



Cyan (28%)


Magenta (34%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6808, 0.2860, 0.2673 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 43.6808, 0.2860, 0.2673 by changing the saturation by 10% instead.


 43.6808, 0.2860,
0.2673


 43.6808, 0.2860,
0.2673


361.4041, 0.2997,
0.2972

 30.4196, 0.2825,
0.2601


 80.7372, 0.2910,
0.2780

 20.1573, 0.2780,
0.2511


 105.3013, 0.2929,
0.2820

 12.5095, 0.2719,
0.2395


134.4017, 0.2945,
0.2855

 7.0916, 0.2634,
0.2238

168.4230, 0.2959,
0.2885

 3.5195, 0.2507,
0.2019

207.7495, 0.2970,
0.2911

 1.4086, 0.2301,
0.1694

252.7656, 0.2980,

 0.2230, 0.1954,

0.2934

0.0745

303.8556, 0.2989,
0.2954

0.0000, 0.0000,
0.0000

43.6808, 0.2860,
0.2673

43.6808, 0.2860,
0.2673

34.4100, 0.2716,
0.2365

54.5259, 0.2988,
0.2960

26.6336, 0.2557,
0.2043

67.0095, 0.3099,
0.3221

20.2728, 0.2387,
0.1720

81.1984, 0.3194,
0.3455

15.2391, 0.2214,
0.1413

96.1158, 0.3277,
0.3648

11.4338, 0.2045,
0.1143

97.8954, 0.3339,
0.3641

■ 8.7439, 0.1893,
0.0926

■ 7.0341, 0.1765,
0.0777

■ 6.2560, 0.1691,
0.0705

Harmonies

Analogous

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



43.6808, 0.2555, 0.2655



43.6808, 0.2860, 0.2673



43.6808, 0.3256, 0.2832

Triad

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



43.6808, 0.2860, 0.2673



43.6808, 0.3904, 0.3726



43.6808, 0.2627, 0.3473

Complementary

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



43.6808, 0.2860, 0.2673



66.3841, 0.3355, 0.3879

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.



43.6808, 0.2964, 0.3822



43.6808, 0.2860, 0.2673



43.6808, 0.3707, 0.3950

Square

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



43.6808, 0.2860, 0.2673



43.6808, 0.3881, 0.3415



43.6808, 0.3360, 0.3999



43.6808, 0.2427, 0.3089

Rectangle

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



43.6808, 0.2860, 0.2673



43.6808, 0.3520, 0.2999



43.6808, 0.3360, 0.3999



43.6808, 0.2727, 0.3601

Sweetspot

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



43.6826, 0.2860, 0.2673



86.8389, 0.3054, 0.3114



57.1429, 0.2777, 0.3115



18.3561, 0.3047, 0.3098



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.



43.6826, 0.2860, 0.2673



55.6286, 0.2799, 0.2540



46.9330, 0.3061, 0.2709



12.8049, 0.3027, 0.3052



3.7587, 0.1705, 0.0713



0.2876, 0.1882, 0.0810

Inverse Universe

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



47.8067, 0.3279, 0.2886



62.4053, 0.3315, 0.2805



63.2225, 0.3175, 0.3913



13.2050, 0.3183, 0.3127



10.3239, 0.4137, 0.2053



0.6838, 0.3950, 0.1950

Previews

White Background



This preview shows how the Yxy color 43.6808, 0.2860, 0.2673 looks on a white background.

Color Contrast Check

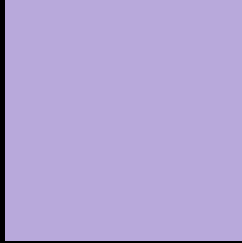
Large Text (above 18pt) WCAG AA × Fail

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 43.6808, 0.2860, 0.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

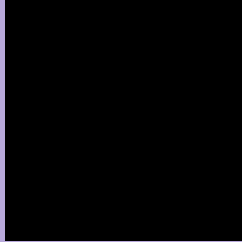
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6808, 0.2860, 0.2673

Background



This preview shows how black text looks on a background with the Yxy color 43.6808, 0.2860, 0.2673.



This preview shows how white text looks on a background with the Yxy color 43.6808, 0.2860, 0.2673.

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

43.6808, 0.2860, 0.2673

Protanopia

43.9870, 0.2691, 0.2680

Deuteranopia

43.7198, 0.2775, 0.2720



Tritanopia

43.8745, 0.3057, 0.3119

Trichromacy



Original Color

43.6808, 0.2860, 0.2673

Protanomaly

43.9317, 0.2748, 0.2674

Deuteranomaly

43.7971, 0.2806, 0.2712

Tritanomaly

43.8344, 0.2988, 0.2956

Monochromacy



Original Color

43.6808, 0.2860, 0.2673

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.3787, 0.3027, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6808, 0.2860, 0.2673 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(184, 169, 219)` looks like.

```
.text, #text, p{  
    color:rgb(184, 169, 219)  
}
```

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(184, 169, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 169, 219) }
```

Border

The CSS property to change the border of an element to Yxy 43.6808, 0.2860, 0.2673 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(184, 169, 219) }
```

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

```
.border{ border-color:rgb(184, 169, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 169, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 169, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 169, 219);  
box-shadow:4px 4px 4px 4px rgb(184, 169,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6808, 0.2860, 0.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 169, 219) }
```

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

```
.background{ background-color: rgb(184,  
169, 219) }
```

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