

Converting Colors

$Yxy(48.9058, 0.2701, 0.3859)$

Have a look what the booklet for
Yxy(48.9058, 0.2701, 0.3859)
contains.

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Color

Yxy(48.9422, 0.2702, 0.3855)

Conversions

Conversions Part 1

Format	Color
Hex	69CCA6
RGB	105, 204, 166
RGB Percent	41%, 80%, 65%
CMY	0.5881, 0.2000, 0.3490
CMYK	0.49, 0.00, 0.19, 0.20
HSL	157°, 49%, 61%
HSV	157°, 49%, 80%
XYZ	34.3040, 48.9422, 43.7115
YIQ	170.0670, -46.8060, -32.8060

Conversions

Conversions Part 2

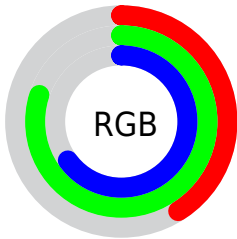
Format	Color
RYB	105, 166, 204
Decimal	6933670
CIELab	75.42, -38.04, 10.07
CIElCh	75, 39.352, 165.169
Yxy	48.9422, 0.2702, 0.3855
Android (android.graphics.Color)	4285123750 (0xFF69CCA6)
YUV	170.0670, -2.0050, -57.0638
Hunter-Lab	69.9587, -34.9010, 11.9256

Details

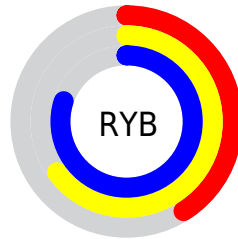
The Yxy color **48.9422, 0.2702, 0.3855** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.9326, 0.3931, 0.2807**, and the grayscale version is **40.2662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4218, 0.2776, 0.3679**, and **23.2906, 0.2578, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **47.5742, 0.2646, 0.3998**, and if you desaturate by 10%, it is **50.6280, 0.2773, 0.3720**.

Distribution



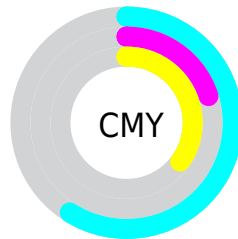
- Red (41%)
- Green (80%)
- Blue (65%)



- Red (41%)
- Yellow (65%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (59%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9422, 0.2702, 0.3855 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 48.9422, 0.2702, 0.3855 by changing the saturation by 10% instead.


 48.9422, 0.2702,
0.3855


 48.9422, 0.2702,
0.3855

382.5147, 0.2917,
0.3565


 34.5736, 0.2648,
0.3930


 88.6056, 0.2781,
0.3748


 23.3346, 0.2577,
0.4028


 114.6692, 0.2810,
0.3708

 14.8408, 0.2483,
0.4161


 145.4000, 0.2835,
0.3674

 8.7077, 0.2350,
0.4351

 181.1823, 0.2856,
0.3646

 4.5510, 0.2151,
0.4644

222.4005, 0.2875,
0.3621

 1.9863, 0.1803,
0.5164

269.4391, 0.2891,

 0.5995, 0.0000,

0.3600

1.0000

322.6823, 0.2905,
0.3581

0.0000, 0.0000,
0.0000

48.9422, 0.2702,
0.3855

48.9422, 0.2702,
0.3855

47.5742, 0.2646,
0.3998

50.6280, 0.2773,
0.3720

46.4962, 0.2608,
0.4145

52.6453, 0.2855,
0.3593

45.6853, 0.2589,
0.4295


55.0141, 0.2946,
0.3477


45.1127, 0.2591,
0.4443

57.7512, 0.3042,
0.3372


44.7330, 0.2610,
0.4588

60.8723, 0.3142,
0.3277

 44.6832, 0.2614,
0.4610

 64.3919, 0.3243,
0.3192

 68.3241, 0.3343,
0.3117

 70.0844, 0.3339,
0.3042

 70.5312, 0.3282,
0.2966

Harmonies

Analogous

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



48.9422, 0.3215, 0.4217



48.9422, 0.2702, 0.3855



48.9422, 0.2324, 0.3314

Triad

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



48.9422, 0.2702, 0.3855



48.9422, 0.2500, 0.2434



48.9422, 0.4205, 0.3607

Complementary

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



48.9422, 0.2702, 0.3855



24.9326, 0.3931, 0.2807

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.



48.9422, 0.3987, 0.3183



48.9422, 0.2702, 0.3855



48.9422, 0.2964, 0.2539

Square

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



48.9422, 0.2702, 0.3855



48.9422, 0.2220, 0.2524



48.9422, 0.3516, 0.2806



48.9422, 0.4100, 0.3999

Rectangle

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



48.9422, 0.2702, 0.3855



48.9422, 0.2187, 0.2971



48.9422, 0.3516, 0.2806



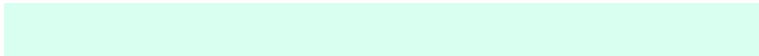
48.9422, 0.4167, 0.3465

Sweetspot

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



48.9442, 0.2702, 0.3855



92.5432, 0.2977, 0.3441



50.1919, 0.3338, 0.4685



19.6087, 0.2957, 0.3464



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.



48.9442, 0.2702, 0.3855



78.7385, 0.2645, 0.4001



45.9949, 0.2466, 0.3147



12.6512, 0.3034, 0.3380



28.1428, 0.2608, 0.4589



1.4664, 0.2529, 0.4306

Inverse Universe

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



24.9326, 0.3931, 0.2807



34.4730, 0.4202, 0.2723



26.1044, 0.4399, 0.3420



11.2838, 0.3231, 0.3201



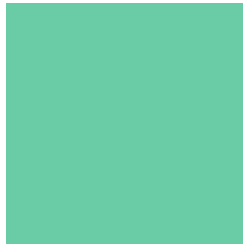
8.4462, 0.5423, 0.2761



0.4504, 0.4895, 0.2470

Previews

White Background



This preview shows how the Yxy color 48.9422, 0.2702, 0.3855 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 48.9422, 0.2702, 0.3855 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

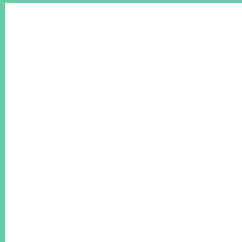
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9422, 0.2702, 0.3855

Background



This preview shows how black text looks on a background with the Yxy color 48.9422, 0.2702, 0.3855.

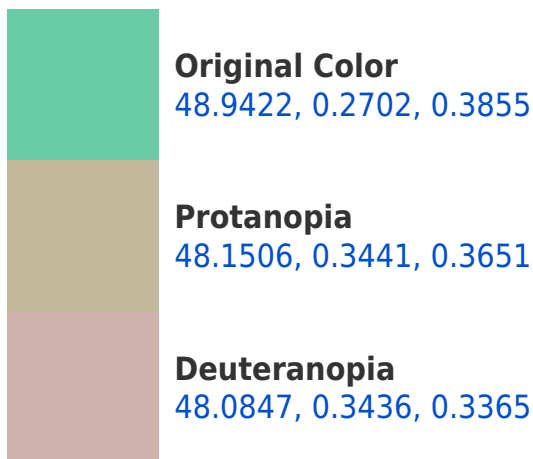


This preview shows how white text looks on a background with the Yxy color 48.9422, 0.2702, 0.3855.

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





Tritanopia

48.5882, 0.2492, 0.3070

Trichromacy



Original Color

48.9422, 0.2702, 0.3855



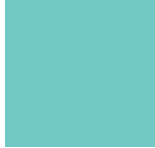
Protanomaly

47.4811, 0.3123, 0.3719



Deuteranomaly

46.9890, 0.3116, 0.3520



Tritanomaly

48.8048, 0.2565, 0.3345

Monochromacy



Original Color

48.9422, 0.2702, 0.3855



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.4315, 0.2929, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9422, 0.2702, 0.3855 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(105, 204, 166)` looks like.

```
.text, #text, p{  
    color:rgb(105, 204, 166)  
}
```

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(105, 204, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 204, 166) }
```

Border

The CSS property to change the border of an element to Yxy 48.9422, 0.2702, 0.3855 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(105, 204, 166) }
```

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

```
.border{ border-color:rgb(105, 204, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 204, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 204, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 204, 166);  
box-shadow:4px 4px 4px 4px rgb(105, 204,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9422, 0.2702, 0.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 204, 166) }
```

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

```
.background{ background-color: rgb(105,  
204, 166) }
```

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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