

Converting Colors

$Yxy(48.2078, 0.2744, 0.3942)$

Have a look what the booklet for
Yxy(48.2078, 0.2744, 0.3942)
contains.

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Color

Yxy(48.2792, 0.2746, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	6ACB9F
RGB	106, 203, 159
RGB Percent	42%, 80%, 62%
CMY	0.5845, 0.2039, 0.3764
CMYK	0.48, 0.00, 0.22, 0.20
HSL	153°, 48%, 61%
HSV	153°, 48%, 80%
XYZ	33.5547, 48.2792, 40.3610
YIQ	168.9810, -43.6880, -34.2480

Conversions

Conversions Part 2

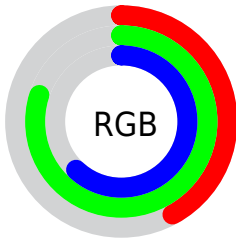
Format	Color
RYB	106, 169, 203
Decimal	6998943
CIELab	75.00, -38.86, 13.23
CIElCh	75, 41.054, 161.203
Yxy	48.2792, 0.2746, 0.3951
Android (android.graphics.Color)	4285189023 (0xFF6ACB9F)
YUV	168.9810, -4.9206, -55.2343
Hunter-Lab	69.4832, -35.3948, 14.1983

Details

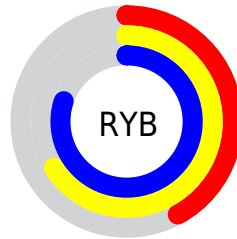
The Yxy color **48.2792, 0.2746, 0.3951** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.1956, 0.3822, 0.2730**, and the grayscale version is **39.7031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0564, 0.2811, 0.3763**, and **22.8909, 0.2627, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **46.8742, 0.2695, 0.4121**, and if you desaturate by 10%, it is **50.0062, 0.2811, 0.3790**.

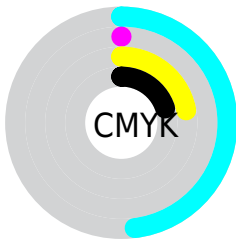
Distribution



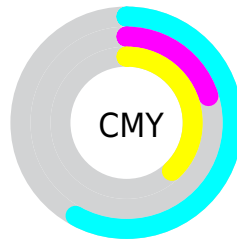
- Red (42%)
- Green (80%)
- Blue (62%)



- Red (42%)
- Yellow (66%)
- Blue (80%)



- Cyan (48%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)



- Cyan (58%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2792, 0.2746, 0.3951 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 48.2792, 0.2746, 0.3951 by changing the saturation by 10% instead.


 48.2792, 0.2746,
0.3951


 48.2792, 0.2746,
0.3951


379.8977, 0.2942,
0.3608


 34.0480, 0.2695,
0.4041

 87.6200, 0.2818,
0.3823


 22.9305, 0.2630,
0.4158


 113.4984, 0.2845,
0.3776

 14.5422, 0.2540,
0.4318


 144.0279, 0.2868,
0.3737

 8.4987, 0.2412,
0.4550

 179.5931, 0.2887,
0.3704

 4.4157, 0.2216,
0.4912

220.5783, 0.2904,
0.3675

 1.9087, 0.1840,
0.5578

267.3679, 0.2918,

 0.5536, 0.0000,

0.3650

1.0000

320.3462, 0.2931,
0.3628

■ 0.0000, 0.0000,
0.0000

■ 48.2792, 0.2746,
0.3951

■ 48.2792, 0.2746,
0.3951

■ 46.8742, 0.2695,
0.4121

■ 50.0062, 0.2811,
0.3790

■ 45.7636, 0.2661,
0.4297

■ 52.0690, 0.2886,
0.3640

■ 44.9252, 0.2647,
0.4475


■ 54.4873, 0.2969,
0.3503

■ 44.3301, 0.2652,
0.4651

■ 57.2777, 0.3057,
0.3378

■ 43.9375, 0.2676,
0.4820

■ 60.4560, 0.3147,
0.3267

 43.8639, 0.2682,
0.4856

 64.0366, 0.3237,
0.3168

 68.0334, 0.3326,
0.3080

 69.8377, 0.3311,
0.2993

 70.3762, 0.3244,
0.2905

Harmonies

Analogous

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



48.2792, 0.3291, 0.4290



48.2792, 0.2746, 0.3951



48.2792, 0.2328, 0.3390

Triad

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



48.2792, 0.2746, 0.3951



48.2792, 0.2421, 0.2398



48.2792, 0.4245, 0.3558

Complementary

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



48.2792, 0.2746, 0.3951



25.1956, 0.3822, 0.2730

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.



48.2792, 0.3976, 0.3120



48.2792, 0.2746, 0.3951



48.2792, 0.2882, 0.2483

Square

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



48.2792, 0.2746, 0.3951



48.2792, 0.2159, 0.2517



48.2792, 0.3457, 0.2740



48.2792, 0.4177, 0.3979

Rectangle

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



48.2792, 0.2746, 0.3951



48.2792, 0.2166, 0.3020



48.2792, 0.3457, 0.2740



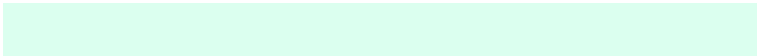
48.2792, 0.4192, 0.3410

Sweetspot

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



48.2812, 0.2746, 0.3951



92.8481, 0.3001, 0.3456



50.3583, 0.3388, 0.4640



19.6620, 0.2982, 0.3484



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.



48.2812, 0.2746, 0.3951



78.4923, 0.2695, 0.4120



48.5771, 0.2491, 0.3243



12.6379, 0.3043, 0.3397



27.9307, 0.2676, 0.4834



1.4561, 0.2584, 0.4502

Inverse Universe

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



25.1956, 0.3822, 0.2730



35.4521, 0.4048, 0.2630



24.7143, 0.4415, 0.3335



11.2968, 0.3220, 0.3185



8.5896, 0.5139, 0.2605



0.4584, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 48.2792, 0.2746, 0.3951 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 48.2792, 0.2746, 0.3951 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 48.2792, 0.2746, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 48.2792, 0.2746, 0.3951.



This preview shows how white text looks on a background with the Yxy color 48.2792, 0.2746, 0.3951.

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

48.2792, 0.2746, 0.3951

Protanopia

47.5062, 0.3502, 0.3730

Deuteranopia

47.5708, 0.3508, 0.3439



Tritanopia

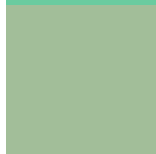
48.2264, 0.2506, 0.3069

Trichromacy



Original Color

48.2792, 0.2746, 0.3951



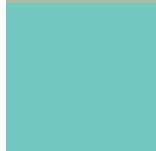
Protanomaly

46.8082, 0.3176, 0.3806



Deuteranomaly

46.4201, 0.3180, 0.3603



Tritanomaly

48.3419, 0.2591, 0.3374

Monochromacy



Original Color

48.2792, 0.2746, 0.3951



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.8754, 0.2959, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2792, 0.2746, 0.3951 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(106, 203, 159)` looks like.

```
.text, #text, p{  
    color:rgb(106, 203, 159)  
}
```

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(106, 203, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 203, 159) }
```

Border

The CSS property to change the border of an element to Yxy 48.2792, 0.2746, 0.3951 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(106, 203, 159) }
```

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

```
.border{ border-color:rgb(106, 203, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 203, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 203, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 203, 159);  
box-shadow:4px 4px 4px 4px rgb(106, 203,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2792, 0.2746, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 203, 159) }
```

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

```
.background{ background-color: rgb(106,  
203, 159) }
```

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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