

Converting Colors

$Yxy(48.3622, 0.2702, 0.3884)$

Have a look what the booklet for
Yxy(48.3622, 0.2702, 0.3884)
contains.

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Color

Yxy(48.2758, 0.2701, 0.3875)

Conversions

Conversions Part 1

Format	Color
Hex	67CBA4
RGB	103, 203, 164
RGB Percent	40%, 80%, 64%
CMY	0.5960, 0.2039, 0.3569
CMYK	0.49, 0.00, 0.19, 0.20
HSL	157°, 49%, 60%
HSV	157°, 49%, 80%
XYZ	33.6498, 48.2758, 42.6571
YIQ	168.6540, -47.0810, -33.3290

Conversions

Conversions Part 2

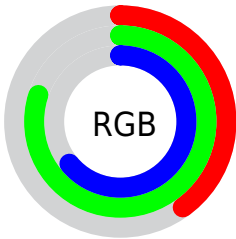
Format	Color
RYB	103, 165, 203
Decimal	6802340
CIELab	75.00, -38.52, 10.55
CIELCh	75, 39.941, 164.683
Yxy	48.2758, 0.2701, 0.3875
Android (android.graphics.Color)	4284992420 (0xFF67CBA4)
YUV	168.6540, -2.2944, -57.5786
Hunter-Lab	69.4808, -35.1432, 12.2360

Details

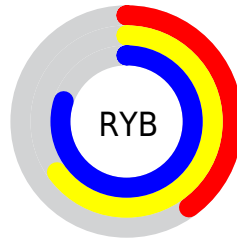
The Yxy color **48.2758, 0.2701, 0.3875** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.3543, 0.3940, 0.2792**, and the grayscale version is **39.5271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1081, 0.2776, 0.3704**, and **22.8633, 0.2575, 0.4057** is the 20% darker color. If you saturate the color by 10%, you get **46.9420, 0.2647, 0.4020**, and if you desaturate by 10%, it is **49.9227, 0.2770, 0.3737**.

Distribution



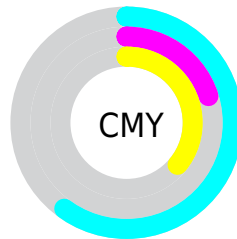
- Red (40%)
- Green (80%)
- Blue (64%)



- Red (40%)
- Yellow (65%)
- Blue (80%)



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




- Cyan (60%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2758, 0.2701, 0.3875 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 48.2758, 0.2701, 0.3875 by changing the saturation by 10% instead.


 48.2758, 0.2701,
0.3875


 48.2758, 0.2701,
0.3875

379.8843, 0.2918,
0.3573


 34.0453, 0.2646,
0.3953


 87.6149, 0.2780,
0.3763


 22.9284, 0.2575,
0.4056


 113.4923, 0.2810,
0.3722

 14.5407, 0.2479,
0.4195


 144.0209, 0.2835,
0.3687

 8.4977, 0.2344,
0.4395

 179.5850, 0.2856,
0.3658

 4.4150, 0.2139,
0.4706

220.5690, 0.2875,
0.3632

 1.9083, 0.1762,
0.5271

267.3572, 0.2891,

 0.5534, 0.0000,

0.3610

1.0000

320.3342, 0.2905,
0.3590

0.0000, 0.0000,
0.0000

48.2758, 0.2701,
0.3875

48.2758, 0.2701,
0.3875

46.9420, 0.2647,
0.4020

49.9227, 0.2770,
0.3737

45.8937, 0.2611,
0.4171

51.8965, 0.2851,
0.3608

45.1081, 0.2594,
0.4323


54.2172, 0.2941,
0.3489


44.5561, 0.2597,
0.4474

56.9012, 0.3036,
0.3381

44.1881, 0.2618,
0.4621


59.9642, 0.3135,
0.3283

 44.1634, 0.2620,
0.4632

 63.4208, 0.3234,
0.3196

 67.2847, 0.3333,
0.3119

 69.5397, 0.3350,
0.3045

 69.9883, 0.3292,
0.2967

Harmonies

Analogous

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



48.2758, 0.3224, 0.4240



48.2758, 0.2701, 0.3875



48.2758, 0.2314, 0.3322

Triad

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



48.2758, 0.2701, 0.3875



48.2758, 0.2482, 0.2419



48.2758, 0.4225, 0.3604

Complementary

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



48.2758, 0.2701, 0.3875



24.3543, 0.3940, 0.2792

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.



48.2758, 0.3998, 0.3173



48.2758, 0.2701, 0.3875



48.2758, 0.2951, 0.2523

Square

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



48.2758, 0.2701, 0.3875



48.2758, 0.2201, 0.2513



48.2758, 0.3514, 0.2791



48.2758, 0.4122, 0.4005

Rectangle

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



48.2758, 0.2701, 0.3875



48.2758, 0.2173, 0.2972



48.2758, 0.3514, 0.2791



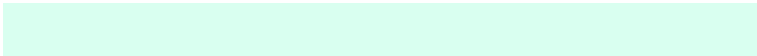
48.2758, 0.4185, 0.3459

Sweetspot

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



48.2777, 0.2701, 0.3875



92.5290, 0.2979, 0.3444



49.5337, 0.3339, 0.4708



19.6053, 0.2959, 0.3467



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.



48.2777, 0.2701, 0.3875



78.4946, 0.2645, 0.4028



45.3384, 0.2459, 0.3145



12.6500, 0.3035, 0.3382



28.1225, 0.2614, 0.4612



1.4654, 0.2534, 0.4323

Inverse Universe

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



24.3543, 0.3940, 0.2792



33.9256, 0.4219, 0.2707



25.4897, 0.4428, 0.3422



11.2850, 0.3230, 0.3200



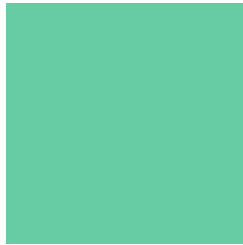
8.4580, 0.5398, 0.2747



0.4511, 0.4875, 0.2459

Previews

White Background



This preview shows how the Yxy color 48.2758, 0.2701, 0.3875 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 48.2758, 0.2701, 0.3875 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

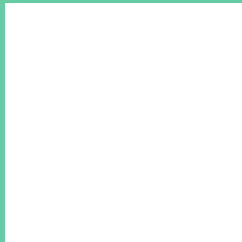
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2758, 0.2701, 0.3875

Background



This preview shows how black text looks on a background with the Yxy color 48.2758, 0.2701, 0.3875.



This preview shows how white text looks on a background with the Yxy color 48.2758, 0.2701, 0.3875.

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

48.2758, 0.2701, 0.3875

Protanopia

47.5375, 0.3451, 0.3666

Deuteranopia

47.4684, 0.3446, 0.3378



Tritanopia

48.0152, 0.2490, 0.3069

Trichromacy



Original Color

48.2758, 0.2701, 0.3875



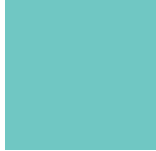
Protanomaly

46.7691, 0.3122, 0.3737



Deuteranomaly

46.3800, 0.3124, 0.3535



Tritanomaly

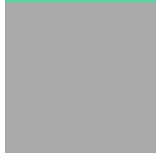
48.2317, 0.2563, 0.3345

Monochromacy



Original Color

48.2758, 0.2701, 0.3875



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.8575, 0.2936, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2758, 0.2701, 0.3875 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(103, 203, 164)` looks like.

```
.text, #text, p{  
    color:rgb(103, 203, 164)  
}
```

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(103, 203, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 203, 164) }
```

Border

The CSS property to change the border of an element to Yxy 48.2758, 0.2701, 0.3875 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(103, 203, 164) }
```

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

```
.border{ border-color:rgb(103, 203, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 203, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 203, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 203, 164);  
box-shadow:4px 4px 4px 4px rgb(103, 203,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2758, 0.2701, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 203, 164) }
```

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

```
.background{ background-color: rgb(103,  
203, 164) }
```

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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