

Converting Colors

$Yxy(48.1304, 0.2791, 0.3872)$

Have a look what the booklet for
Yxy(48.1304, 0.2791, 0.3872)
contains.

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Color

Yxy(48.1638, 0.2789, 0.3867)

Conversions

Conversions Part 1

Format	Color
Hex	75C9A2
RGB	117, 201, 162
RGB Percent	46%, 79%, 64%
CMY	0.5415, 0.2117, 0.3647
CMYK	0.42, 0.00, 0.19, 0.21
HSL	152°, 44%, 62%
HSV	152°, 42%, 79%
XYZ	34.7372, 48.1638, 41.6498
YIQ	171.4380, -37.5450, -29.9370

Conversions

Conversions Part 2

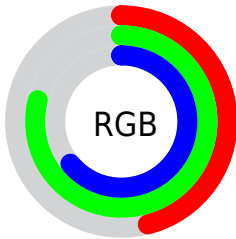
Format	Color
RYB	117, 172, 201
Decimal	7719330
CIELab	74.93, -34.45, 11.59
CIELCh	75, 36.346, 161.405
Yxy	48.1638, 0.2789, 0.3867
Android (android.graphics.Color)	4285909410 (0xFF75C9A2)
YUV	171.4380, -4.6529, -47.7421
Hunter-Lab	69.4001, -32.1047, 12.9978

Details

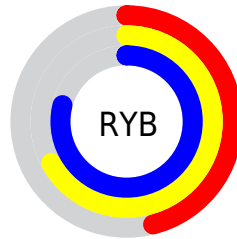
The Yxy color **48.1638, 0.2789, 0.3867** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.5235, 0.3689, 0.2786**, and the grayscale version is **40.9873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3004, 0.2848, 0.3721**, and **22.7077, 0.2687, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **46.6012, 0.2730, 0.4036**, and if you desaturate by 10%, it is **50.0538, 0.2859, 0.3709**.

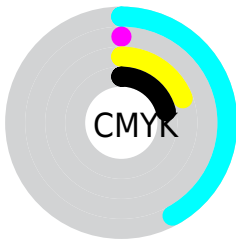
Distribution



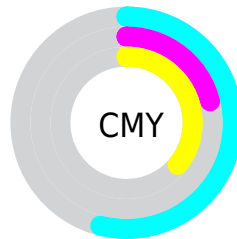
- Red (46%)
- Green (79%)
- Blue (64%)



- Red (46%)
- Yellow (67%)
- Blue (79%)



- Cyan (42%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (54%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1638, 0.2789, 0.3867 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 48.1638, 0.2789, 0.3867 by changing the saturation by 10% instead.

 48.1638, 0.2789,
0.3867

 48.1638, 0.2789,
0.3867


379.4410, 0.2962,
0.3569

 33.9566, 0.2744,
0.3944


 87.4482, 0.2853,
0.3756

 22.8603, 0.2687,
0.4046


 113.2943, 0.2877,
0.3716

 14.4904, 0.2608,
0.4184


 143.7887, 0.2897,
0.3681

 8.4625, 0.2496,
0.4383

179.3160, 0.2914,
0.3652

 4.3923, 0.2324,
0.4693

220.2605, 0.2928,
0.3627

 1.8953, 0.2019,
0.5244

267.0065, 0.2941,

 0.5456, 0.0000,

0.3605

1.0000

319.9386, 0.2952,
0.3586

0.0000, 0.0000,
0.0000

48.1638, 0.2789,
0.3867

48.1638, 0.2789,
0.3867

46.6012, 0.2730,
0.4036

50.0538, 0.2859,
0.3709

45.3403, 0.2687,
0.4213

52.2834, 0.2939,
0.3563

44.3609, 0.2661,
0.4395

54.8713, 0.3023,
0.3430


43.6376, 0.2655,
0.4577

57.8333, 0.3111,
0.3310


43.1404, 0.2670,
0.4754


61.1838, 0.3200,
0.3204

 42.8576, 0.2693,
0.4893

 64.9368, 0.3288,
0.3110

 68.6017, 0.3353,
0.3025

 69.1316, 0.3284,
0.2935

 69.6898, 0.3216,
0.2846

Harmonies

Analogous

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



48.1638, 0.3275, 0.4167



48.1638, 0.2789, 0.3867



48.1638, 0.2413, 0.3379

Triad

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



48.1638, 0.2789, 0.3867



48.1638, 0.2499, 0.2490



48.1638, 0.4118, 0.3541

Complementary

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



48.1638, 0.2789, 0.3867



27.5235, 0.3689, 0.2786

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.



48.1638, 0.3881, 0.3145



48.1638, 0.2789, 0.3867



48.1638, 0.2915, 0.2566

Square

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



48.1638, 0.2789, 0.3867



48.1638, 0.2259, 0.2601



48.1638, 0.3426, 0.2799



48.1638, 0.4061, 0.3915

Rectangle

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



48.1638, 0.2789, 0.3867



48.1638, 0.2266, 0.3053



48.1638, 0.3426, 0.2799



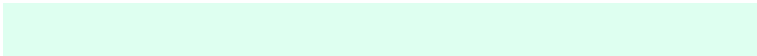
48.1638, 0.4071, 0.3408

Sweetspot

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



48.1658, 0.2789, 0.3867



93.2947, 0.3012, 0.3447



50.1474, 0.3364, 0.4458



19.7491, 0.2992, 0.3476



0.0000, 0.0000, 0.0000



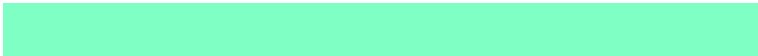
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.1658, 0.2789, 0.3867



80.0492, 0.2736, 0.4017



48.4796, 0.2554, 0.3249



11.9814, 0.3045, 0.3399



26.9616, 0.2686, 0.4869



1.2912, 0.2586, 0.4508

Inverse Universe

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



27.5235, 0.3689, 0.2786



40.1411, 0.3868, 0.2685



27.0705, 0.4180, 0.3330



10.7174, 0.3218, 0.3183



8.3255, 0.5091, 0.2578



0.4088, 0.4598, 0.2307

Previews

White Background



This preview shows how the Yxy color 48.1638, 0.2789, 0.3867 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 48.1638, 0.2789, 0.3867 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 48.1638, 0.2789, 0.3867

Background



This preview shows how black text looks on a background with the Yxy color 48.1638, 0.2789, 0.3867.

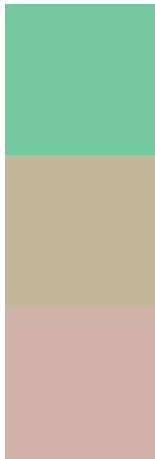


This preview shows how white text looks on a background with the Yxy color 48.1638, 0.2789, 0.3867.

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

48.1638, 0.2789, 0.3867

Protanopia

47.6362, 0.3469, 0.3678

Deuteranopia

47.4997, 0.3482, 0.3415



Tritanopia

47.9038, 0.2563, 0.3071

Trichromacy



Original Color

48.1638, 0.2789, 0.3867



Protanomaly

47.3342, 0.3187, 0.3758



Deuteranomaly

46.8331, 0.3190, 0.3573



Tritanomaly

48.1427, 0.2644, 0.3345

Monochromacy



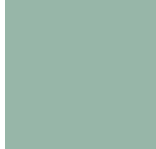
Original Color

48.1638, 0.2789, 0.3867



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

42.8624, 0.2977, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1638, 0.2789, 0.3867 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(117, 201, 162)` looks like.

```
.text, #text, p{  
    color:rgb(117, 201, 162)  
}
```

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(117, 201, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 201, 162) }
```

Border

The CSS property to change the border of an element to Yxy 48.1638, 0.2789, 0.3867 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(117, 201, 162) }
```

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

```
.border{ border-color:rgb(117, 201, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 201, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 201, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 201, 162);  
box-shadow:4px 4px 4px 4px rgb(117, 201,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1638, 0.2789, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 201, 162) }
```

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

```
.background{ background-color: rgb(117,  
201, 162) }
```

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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