

Converting Colors

$Yxy(50.7773, 0.3046, 0.3734)$

Have a look what the booklet for
Yxy(50.7773, 0.3046, 0.3734)
contains.

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Color

Yxy(50.8691, 0.3045, 0.3741)

Conversions

Conversions Part 1

Format	Color
Hex	9EC7A6
RGB	158, 199, 166
RGB Percent	62%, 78%, 65%
CMY	0.3804, 0.2196, 0.3491
CMYK	0.21, 0.00, 0.17, 0.22
HSL	132°, 27%, 70%
HSV	132°, 21%, 78%
XYZ	41.4051, 50.8691, 43.7031
YIQ	182.9790, -13.8430, -18.9550

Conversions

Conversions Part 2

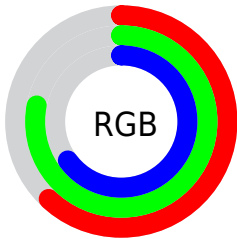
Format	Color
RYB	158, 192, 199
Decimal	10405798
CIELab	76.60, -20.11, 12.12
CIElCh	77, 23.478, 148.908
Yxy	50.8691, 0.3045, 0.3741
Android (android.graphics.Color)	4288595878 (0xFF9EC7A6)
YUV	182.9790, -8.3706, -21.9066
Hunter-Lab	71.3226, -21.1894, 13.5957

Details

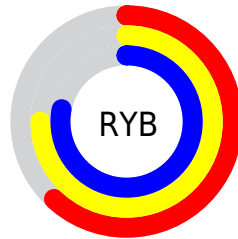
The Yxy color **50.8691, 0.3045, 0.3741** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.3590, 0.3222, 0.2877**, and the grayscale version is **47.3943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8866, 0.3061, 0.3649**, and **24.5299, 0.3019, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **48.4620, 0.3006, 0.4000**, and if you desaturate by 10%, it is **53.6806, 0.3085, 0.3508**.

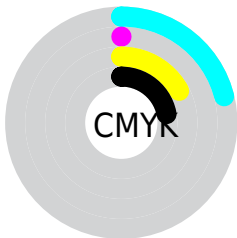
Distribution



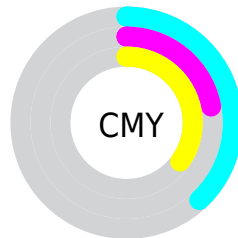
- Red (62%)
- Green (78%)
- Blue (65%)



- Red (62%)
- Yellow (75%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8691, 0.3045, 0.3741 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 50.8691, 0.3045, 0.3741 by changing the saturation by 10% instead.


 50.8691, 0.3045,
0.3741

 50.8691, 0.3045,
0.3741


390.0550, 0.3089,
0.3512

 36.1044, 0.3033,
0.3799


 91.4613, 0.3062,
0.3657

 24.5149, 0.3018,
0.3875


 118.0575, 0.3068,
0.3626

 15.7160, 0.2996,
0.3976


149.3665, 0.3073,
0.3599

 9.3234, 0.2964,
0.4120


185.7725, 0.3077,
0.3577

 4.9527, 0.2912,
0.4339

227.6600, 0.3080,
0.3557

 2.2195, 0.2817,
0.4710

275.4133, 0.3084,

 0.7306, 0.2180,

0.3540

0.7820

329.4168, 0.3086,
0.3525

0.0000, 0.0000,
0.0000

50.8691, 0.3045,
0.3741

50.8691, 0.3045,
0.3741

48.4620, 0.3006,
0.4000

53.6806, 0.3085,
0.3508

46.4344, 0.2971,
0.4282

56.9072, 0.3125,
0.3302

44.7686, 0.2942,
0.4579

60.5673, 0.3163,
0.3121

43.4431, 0.2921,
0.4882

64.6762, 0.3200,
0.2963

42.4337, 0.2911,
0.5174

68.7707, 0.3216,
0.2824

■ 41.7132, 0.2914,
0.5439

■ 69.3298, 0.3153,
0.2742

■ 41.2496, 0.2928,
0.5658

■ 40.9945, 0.2949,
0.5815

Harmonies

Analogous

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



50.8691, 0.3363, 0.3858



50.8691, 0.3045, 0.3741



50.8691, 0.2759, 0.3482

Triad

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



50.8691, 0.3045, 0.3741



50.8691, 0.2638, 0.2785



50.8691, 0.3711, 0.3358

Complementary

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



50.8691, 0.3045, 0.3741



40.3590, 0.3222, 0.2877

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.



50.8691, 0.3497, 0.3100



50.8691, 0.3045, 0.3741



50.8691, 0.2872, 0.2778

Square

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



50.8691, 0.3045, 0.3741



50.8691, 0.2533, 0.2923



50.8691, 0.3186, 0.2892



50.8691, 0.3758, 0.3614

Rectangle

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



50.8691, 0.3045, 0.3741



50.8691, 0.2622, 0.3276



50.8691, 0.3186, 0.2892



50.8691, 0.3656, 0.3269

Sweetspot

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



50.8712, 0.3045, 0.3741



96.4444, 0.3103, 0.3412



54.4581, 0.3371, 0.3809



20.5638, 0.3100, 0.3425



0.0000, 0.0000, 0.0000



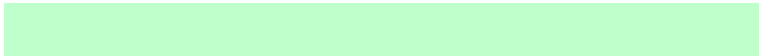
21.4041, 0.3127, 0.3290

Same Dimension

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



50.8712, 0.3045, 0.3741



86.9721, 0.3026, 0.3861



51.6648, 0.2908, 0.3463



11.9211, 0.3090, 0.3481



26.3685, 0.2943, 0.5796



1.2589, 0.2836, 0.5411

Inverse Universe

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



40.3590, 0.3222, 0.2877



65.0771, 0.3248, 0.2779



39.5360, 0.3408, 0.3124



10.7799, 0.3167, 0.3106



9.4581, 0.3766, 0.1849



0.4572, 0.3630, 0.1773

Previews

White Background



This preview shows how the Yxy color 50.8691, 0.3045, 0.3741 looks on a white background.

Color Contrast Check

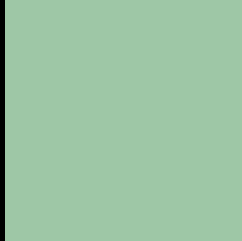
Large Text (above 18pt) WCAG AA × Fail

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 50.8691, 0.3045, 0.3741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

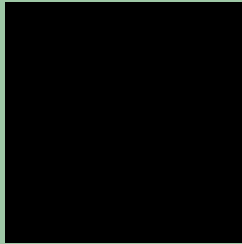
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8691, 0.3045, 0.3741

Background



This preview shows how black text looks on a background with the Yxy color 50.8691, 0.3045, 0.3741.

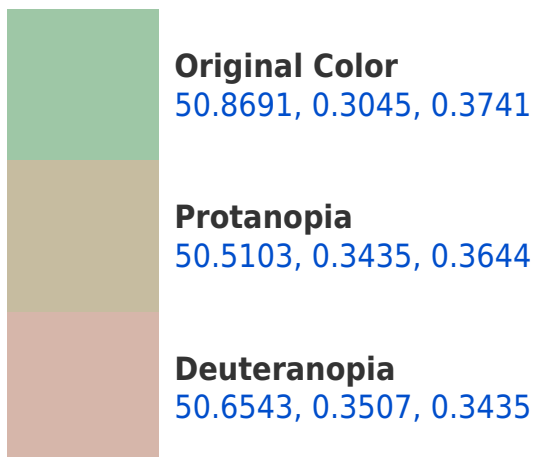


This preview shows how white text looks on a background with the Yxy color 50.8691, 0.3045, 0.3741.

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

50.8010, 0.2815, 0.3097

Trichromacy



Original Color

50.8691, 0.3045, 0.3741

Protanomaly

50.3752, 0.3282, 0.3682

Deuteranomaly

50.3003, 0.3327, 0.3531

Tritanomaly

50.6670, 0.2895, 0.3316

Monochromacy



Original Color

50.8691, 0.3045, 0.3741

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.5682, 0.3095, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8691, 0.3045, 0.3741 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(158, 199, 166)` looks like.

```
.text, #text, p{  
    color:rgb(158, 199, 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(158, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 199, 166) }
```

Border

The CSS property to change the border of an element to Yxy 50.8691, 0.3045, 0.3741 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(158, 199, 166) }
```

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

```
.border{ border-color:rgb(158, 199, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(158, 199,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8691, 0.3045, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 199, 166) }
```

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

```
.background{ background-color: rgb(158,  
199, 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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