

Converting Colors

$Yxy(50.0704, 0.3038, 0.3768)$

Have a look what the booklet for
Yxy(50.0704, 0.3038, 0.3768)
contains.

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Color

Yxy(50.0371, 0.3036, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	9BC6A4
RGB	155, 198, 164
RGB Percent	61%, 78%, 64%
CMY	0.3922, 0.2235, 0.3568
CMYK	0.22, 0.00, 0.17, 0.22
HSL	133°, 27%, 69%
HSV	133°, 22%, 78%
XYZ	40.4130, 50.0371, 42.6627
YIQ	181.2670, -14.7140, -19.6900

Conversions

Conversions Part 2

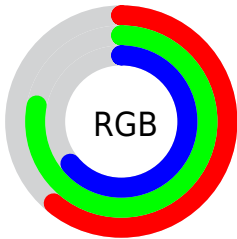
Format	Color
RYB	155, 191, 198
Decimal	10208932
CIELab	76.09, -20.97, 12.43
CIELCh	76, 24.376, 149.342
Yxy	50.0371, 0.3036, 0.3759
Android (android.graphics.Color)	4288399012 (0xFF9BC6A4)
YUV	181.2670, -8.5126, -23.0362
Hunter-Lab	70.7369, -21.8099, 13.7570

Details

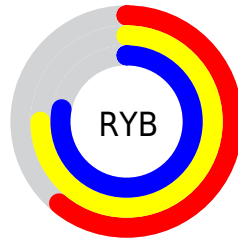
The Yxy color **50.0371, 0.3036, 0.3759** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.1190, 0.3234, 0.2863**, and the grayscale version is **46.4144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3361, 0.3054, 0.3673**, and **23.9999, 0.3008, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **47.7073, 0.2996, 0.4015**, and if you desaturate by 10%, it is **52.7618, 0.3078, 0.3528**.

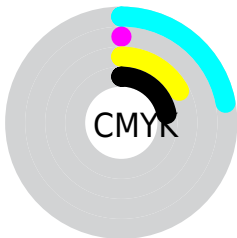
Distribution



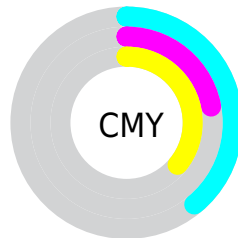
- Red (61%)
- Green (78%)
- Blue (64%)



- Red (61%)
- Yellow (75%)
- Blue (78%)



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




- Cyan (39%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0371, 0.3036, 0.3759 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 50.0371, 0.3036, 0.3759 by changing the saturation by 10% instead.

 50.0371, 0.3036,
0.3759

 50.0371, 0.3036,
0.3759

386.8110, 0.3085,
0.3520

 35.4429, 0.3023,
0.3820


 90.2298, 0.3054,
0.3671

 24.0042, 0.3005,
0.3899


 116.5972, 0.3061,
0.3638

 15.3368, 0.2981,
0.4006


147.6576, 0.3067,
0.3611

 9.0561, 0.2945,
0.4158

183.7956, 0.3071,
0.3587

 4.7778, 0.2887,
0.4391

225.3956, 0.3075,
0.3567

 2.1175, 0.2780,
0.4789

272.8419, 0.3079,

 0.6744, 0.1607,

0.3549

0.8393

326.5189, 0.3082,
0.3534

0.0000, 0.0000,
0.0000

50.0371, 0.3036,
0.3759

50.0371, 0.3036,
0.3759

47.7073, 0.2996,
0.4015

52.7618, 0.3078,
0.3528

45.7480, 0.2960,
0.4294

55.8921, 0.3120,
0.3323

44.1416, 0.2930,
0.4587

59.4461, 0.3161,
0.3143

42.8668, 0.2909,
0.4885

63.4387, 0.3200,
0.2986

41.8997, 0.2900,
0.5172

67.8845, 0.3237,
0.2849

■ 41.2131, 0.2905,
0.5432

■ 68.8701, 0.3153,
0.2732

■ 40.7752, 0.2922,
0.5649

■ 40.5544, 0.2941,
0.5789

Harmonies

Analogous

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



50.0371, 0.3368, 0.3884



50.0371, 0.3036, 0.3759



50.0371, 0.2739, 0.3486

Triad

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



50.0371, 0.3036, 0.3759



50.0371, 0.2620, 0.2763



50.0371, 0.3739, 0.3364

Complementary

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



50.0371, 0.3036, 0.3759



39.1190, 0.3234, 0.2863

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.



50.0371, 0.3517, 0.3095



50.0371, 0.3036, 0.3759



50.0371, 0.2865, 0.2758

Square

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



50.0371, 0.3036, 0.3759



50.0371, 0.2509, 0.2904



50.0371, 0.3193, 0.2878



50.0371, 0.3785, 0.3630

Rectangle

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



50.0371, 0.3036, 0.3759



50.0371, 0.2598, 0.3270



50.0371, 0.3193, 0.2878



50.0371, 0.3682, 0.3272

Sweetspot

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



50.0392, 0.3036, 0.3759



95.8953, 0.3097, 0.3430



53.6267, 0.3379, 0.3839



20.4535, 0.3095, 0.3443



0.0000, 0.0000, 0.0000



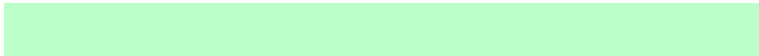
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0392, 0.3036, 0.3759



86.5946, 0.3017, 0.3876



50.8649, 0.2892, 0.3463



11.9237, 0.3088, 0.3478



26.3826, 0.2936, 0.5769



1.2601, 0.2825, 0.5370

Inverse Universe

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



39.1190, 0.3234, 0.2863



63.8814, 0.3261, 0.2768



38.2695, 0.3434, 0.3124



10.7770, 0.3169, 0.3109



9.3903, 0.3818, 0.1877



0.4545, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 50.0371, 0.3036, 0.3759 looks on a white background.

Color Contrast Check

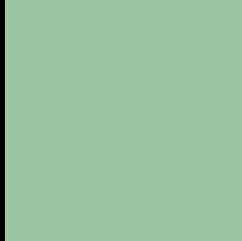
Large Text (above 18pt) WCAG AA × Fail

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 50.0371, 0.3036, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

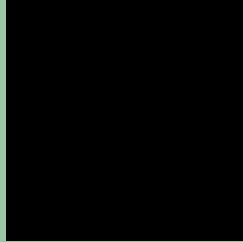
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0371, 0.3036, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 50.0371, 0.3036, 0.3759.

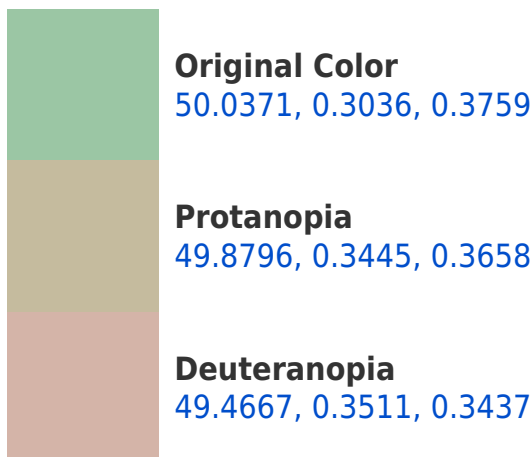


This preview shows how white text looks on a background with the Yxy color 50.0371, 0.3036, 0.3759.

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

49.9908, 0.2800, 0.3095

Trichromacy



Original Color

50.0371, 0.3036, 0.3759

Protanomaly

49.7448, 0.3290, 0.3697

Deuteranomaly

49.4070, 0.3319, 0.3547

Tritanomaly

49.8187, 0.2886, 0.3329

Monochromacy



Original Color

50.0371, 0.3036, 0.3759

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.4064, 0.3095, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0371, 0.3036, 0.3759 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(155, 198, 164)` looks like.

```
.text, #text, p{  
    color:rgb(155, 198, 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(155, 198, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 198, 164) }
```

Border

The CSS property to change the border of an element to Yxy 50.0371, 0.3036, 0.3759 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(155, 198, 164) }
```

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

```
.border{ border-color:rgb(155, 198, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 198, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 198, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 198, 164);  
box-shadow:4px 4px 4px 4px rgb(155, 198,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0371, 0.3036, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 198, 164) }
```

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

```
.background{ background-color: rgb(155,  
198, 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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