

Converting Colors

$Y_{xy}(47.1590, 0.3072, 0.3686)$

Have a look what the booklet for
Yxy(47.1590, 0.3072, 0.3686)
contains.

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Color

Yxy(47.1750, 0.3069, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	9EBFA3
RGB	158, 191, 163
RGB Percent	62%, 75%, 64%
CMY	0.3804, 0.2510, 0.3608
CMYK	0.17, 0.00, 0.15, 0.25
HSL	129°, 20%, 68%
HSV	129°, 17%, 75%
XYZ	39.3424, 47.1750, 41.6755
YIQ	177.9410, -10.6800, -15.7040

Conversions

Conversions Part 2

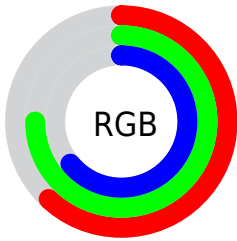
Format	Color
RYB	158, 187, 191
Decimal	10403747
CIELab	74.30, -16.60, 10.48
CIELCh	74, 19.632, 147.737
Yxy	47.1750, 0.3069, 0.3680
Android (android.graphics.Color)	4288593827 (0xFF9EBFA3)
YUV	177.9410, -7.3659, -17.4883
Hunter-Lab	68.6841, -17.9518, 12.1034

Details

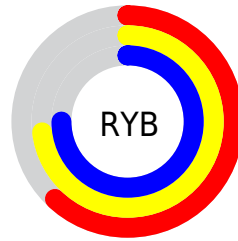
The Yxy color **47.1750, 0.3069, 0.3680** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.0802, 0.3191, 0.2929**, and the grayscale version is **44.5332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7296, 0.3081, 0.3601**, and **22.1032, 0.3050, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **44.8435, 0.3035, 0.3944**, and if you desaturate by 10%, it is **49.8861, 0.3103, 0.3444**.

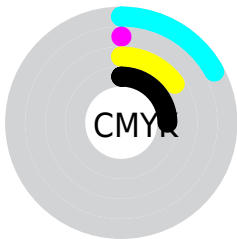
Distribution



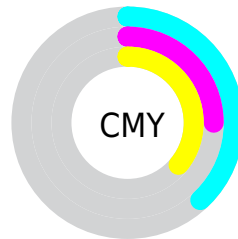
- Red (62%)
- Green (75%)
- Blue (64%)



- Red (62%)
- Yellow (73%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (15%)
- Black (25%)





- Cyan (38%)
- Magenta (25%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1750, 0.3069, 0.3680 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 47.1750, 0.3069, 0.3680 by changing the saturation by 10% instead.

 47.1750, 0.3069,
0.3680

 47.1750, 0.3069,
0.3680


375.5126, 0.3101,
0.3480

 33.1740, 0.3060,
0.3731


 85.9748, 0.3081,
0.3606

 22.2598, 0.3049,
0.3798


 111.5424, 0.3085,
0.3579

 14.0479, 0.3032,
0.3889


141.7343, 0.3089,
0.3556

 8.1540, 0.3008,
0.4019

176.9349, 0.3092,
0.3536

 4.1936, 0.2967,
0.4220

217.5287, 0.3095,
0.3520

 1.7825, 0.2889,
0.4570

263.9000, 0.3097,

 0.4762, 0.0905,

0.3505

0.9095

316.4331, 0.3099,
0.3492

0.0000, 0.0000,
0.0000

47.1750, 0.3069,
0.3680

47.1750, 0.3069,
0.3680

44.8435, 0.3035,
0.3944

49.8861, 0.3103,
0.3444

42.8689, 0.3004,
0.4233

52.9864, 0.3136,
0.3236

41.2354, 0.2976,
0.4541

56.4927, 0.3168,
0.3055

39.9233, 0.2954,
0.4856

60.4190, 0.3197,
0.2897

38.9112, 0.2941,
0.5162

64.7785, 0.3225,
0.2761

■ 38.1750, 0.2938,
0.5440

■ 65.7430, 0.3157,
0.2663

■ 37.6866, 0.2946,
0.5670

■ 37.4077, 0.2962,
0.5840

■ 37.3508, 0.2965,
0.5876

Harmonies

Analogous

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



47.1750, 0.3342, 0.3776



47.1750, 0.3069, 0.3680



47.1750, 0.2820, 0.3464

Triad

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



47.1750, 0.3069, 0.3680



47.1750, 0.2700, 0.2858



47.1750, 0.3622, 0.3343

Complementary

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



47.1750, 0.3069, 0.3680



39.0802, 0.3191, 0.2929

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.



47.1750, 0.3435, 0.3118



47.1750, 0.3069, 0.3680



47.1750, 0.2899, 0.2845

Square

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



47.1750, 0.3069, 0.3680



47.1750, 0.2613, 0.2984



47.1750, 0.3168, 0.2940



47.1750, 0.3669, 0.3564

Rectangle

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



47.1750, 0.3069, 0.3680



47.1750, 0.2698, 0.3290



47.1750, 0.3168, 0.2940



47.1750, 0.3573, 0.3266

Sweetspot

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



47.1770, 0.3069, 0.3680



90.5005, 0.3110, 0.3396



50.1779, 0.3341, 0.3719



19.7899, 0.3108, 0.3411



97.7402, 0.3127, 0.3290



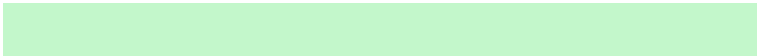
20.4902, 0.3127, 0.3290

Same Dimension

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



47.1770, 0.3069, 0.3680



82.7155, 0.3055, 0.3784



47.8063, 0.2950, 0.3447



10.6725, 0.3096, 0.3491



24.5532, 0.2961, 0.5860



0.9693, 0.2857, 0.5485

Inverse Universe

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



39.0802, 0.3191, 0.2929



65.3129, 0.3209, 0.2842



38.4195, 0.3343, 0.3138



9.6709, 0.3160, 0.3097



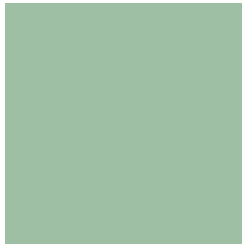
9.0075, 0.3626, 0.1771



0.3596, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 47.1750, 0.3069, 0.3680 looks on a white background.

Color Contrast Check

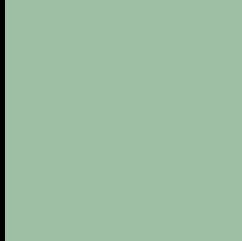
Large Text (above 18pt) WCAG AA × Fail

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 47.1750, 0.3069, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

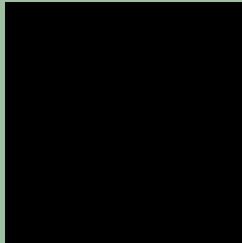
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

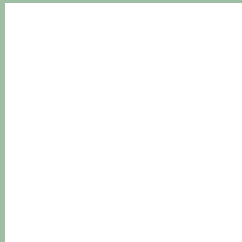
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1750, 0.3069, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 47.1750, 0.3069, 0.3680.



This preview shows how white text looks on a background with the Yxy color 47.1750, 0.3069, 0.3680.

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

47.1750, 0.3069, 0.3680

Protanopia

47.0009, 0.3402, 0.3603

Deuteranopia

46.9257, 0.3483, 0.3415



Tritanopia

47.1805, 0.2849, 0.3105

Trichromacy



Original Color

47.1750, 0.3069, 0.3680

Protanomaly

46.8197, 0.3274, 0.3625

Deuteranomaly

46.5832, 0.3327, 0.3499

Tritanomaly

47.2357, 0.2927, 0.3303

Monochromacy



Original Color

47.1750, 0.3069, 0.3680

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.5420, 0.3104, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1750, 0.3069, 0.3680 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, 191, 163)` looks like.

```
.text, #text, p{  
    color:rgb(158, 191, 163)  
}
```

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, 191, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 191, 163) }
```

Border

The CSS property to change the border of an element to Yxy 47.1750, 0.3069, 0.3680 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, 191, 163) }
```

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

```
.border{ border-color:rgb(158, 191, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 191, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 191, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 191, 163);  
box-shadow:4px 4px 4px 4px rgb(158, 191,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1750, 0.3069, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 191, 163) }
```

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

```
.background{ background-color: rgb(158,  
191, 163) }
```

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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