

Converting Colors

Yxy(50.1667, 0.3250, 0.4116)

Have a look what the booklet for
Yxy(50.1667, 0.3250, 0.4116)
contains.

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Color

Yxy(50.1845, 0.3250, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	A0C78B
RGB	160, 199, 139
RGB Percent	63%, 78%, 55%
CMY	0.3726, 0.2196, 0.4550
CMYK	0.20, 0.00, 0.30, 0.22
HSL	99°, 35%, 66%
HSV	99°, 30%, 78%
XYZ	39.5777, 50.1845, 32.0153
YIQ	180.4990, -3.9840, -26.9280

Conversions

Conversions Part 2

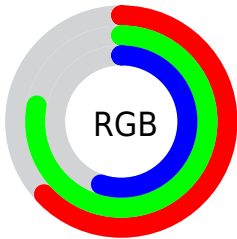
Format	Color
RYB	139, 199, 178
Decimal	10536843
CIELab	76.18, -23.97, 25.94
CIELCh	76, 35.318, 132.734
Yxy	50.1845, 0.3250, 0.4121
Android (android.graphics.Color)	4288726923 (0xFFA0C78B)
YUV	180.4990, -20.4590, -17.9776
Hunter-Lab	70.8410, -24.2468, 22.7937

Details

The Yxy color **50.1845, 0.3250, 0.4121** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.0448, 0.2957, 0.2500**, and the grayscale version is **46.0369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8173, 0.3232, 0.3954**, and **24.0812, 0.3266, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **48.3927, 0.3281, 0.4435**, and if you desaturate by 10%, it is **52.2252, 0.3212, 0.3823**.

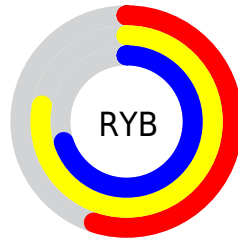
Distribution



Red (63%)

Green (78%)

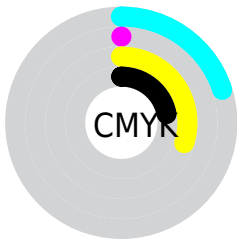
Blue (55%)



Red (55%)

Yellow (78%)

Blue (70%)

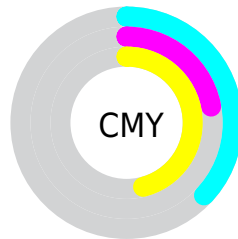


Cyan (20%)

Magenta (0%)

Yellow (30%)

Black (22%)



Cyan (37%)


Magenta (22%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1845, 0.3250, 0.4121 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 50.1845, 0.3250, 0.4121 by changing the saturation by 10% instead.

 50.1845, 0.3250,
0.4121


 50.1845, 0.3250,
0.4121


387.3870, 0.3200,
0.3694

 35.5600, 0.3259,
0.4230


 90.4482, 0.3235,
0.3964

 24.0946, 0.3267,
0.4372


 116.8562, 0.3228,
0.3905

 15.4038, 0.3274,
0.4562


 147.9608, 0.3222,
0.3856

 9.1033, 0.3274,
0.4830

184.1464, 0.3216,
0.3814

 4.8086, 0.3253,
0.5231

225.7975, 0.3212,
0.3778

 2.1354, 0.3358,
0.6242

273.2983, 0.3207,

 0.6844, 0.0873,

0.3747

0.9127

327.0334, 0.3203,
0.3719

0.0000, 0.0000,
0.0000

50.1845, 0.3250,
0.4121

50.1845, 0.3250,
0.4121

48.3927, 0.3281,
0.4435

52.2252, 0.3212,
0.3823

46.8334, 0.3302,
0.4753

54.5176, 0.3171,
0.3546

45.4979, 0.3309,
0.5060


57.0728, 0.3128,
0.3294


44.3746, 0.3301,
0.5339


59.8991, 0.3085,
0.3068

43.4506, 0.3276,
0.5570

63.0045, 0.3043,
0.2867

 42.7111, 0.3234,
0.5741

 66.1773, 0.3025,
0.2720

 42.1407, 0.3185,
0.5853

 68.4919, 0.3120,
0.2736

 69.3307, 0.3153,
0.2742

Harmonies

Analogous

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



50.1845, 0.3703, 0.4134



50.1845, 0.3250, 0.4121



50.1845, 0.2785, 0.3823

Triad

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



50.1845, 0.3250, 0.4121



50.1845, 0.2298, 0.2620



50.1845, 0.3864, 0.3168

Complementary

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



50.1845, 0.3250, 0.4121



32.0448, 0.2957, 0.2500

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.



50.1845, 0.3436, 0.2831



50.1845, 0.3250, 0.4121



50.1845, 0.2538, 0.2520

Square

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



50.1845, 0.3250, 0.4121



50.1845, 0.2259, 0.2911



50.1845, 0.2945, 0.2600



50.1845, 0.4081, 0.3551

Rectangle

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



50.1845, 0.3250, 0.4121



50.1845, 0.2529, 0.3517



50.1845, 0.2945, 0.2600



50.1845, 0.3739, 0.3048

Sweetspot

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



50.1867, 0.3250, 0.4121



95.8892, 0.3167, 0.3519



45.4489, 0.3653, 0.3779



20.3898, 0.3173, 0.3557



0.0000, 0.0000, 0.0000



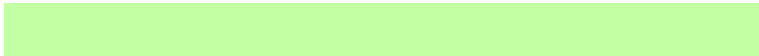
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1867, 0.3250, 0.4121



85.8189, 0.3271, 0.4319



48.4432, 0.3033, 0.4043



12.0654, 0.3168, 0.3525



27.1394, 0.3194, 0.5846



1.3255, 0.3363, 0.5712

Inverse Universe

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



32.0448, 0.2957, 0.2500



49.1513, 0.2910, 0.2323



34.3622, 0.3239, 0.2638



10.6237, 0.3083, 0.3058



5.7195, 0.2352, 0.1069



0.3101, 0.2534, 0.1169

Previews

White Background



This preview shows how the Yxy color 50.1845, 0.3250, 0.4121 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 50.1845, 0.3250, 0.4121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

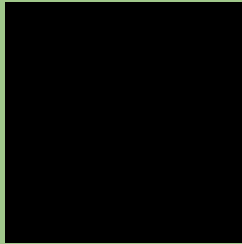
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1845, 0.3250, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 50.1845, 0.3250, 0.4121.



This preview shows how white text looks on a background with the Yxy color 50.1845, 0.3250, 0.4121.

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

50.1845, 0.3250, 0.4121

Protanopia

49.8184, 0.3686, 0.3955

Deuteranopia

49.8413, 0.3803, 0.3732



Tritanopia

49.8292, 0.2856, 0.3085

Trichromacy



Original Color

50.1845, 0.3250, 0.4121

Protanomaly

49.6040, 0.3521, 0.4009

Deuteranomaly

49.4994, 0.3585, 0.3862

Tritanomaly

49.6243, 0.2994, 0.3436

Monochromacy



Original Color

50.1845, 0.3250, 0.4121

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.1415, 0.3180, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1845, 0.3250, 0.4121 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(160, 199, 139)` looks like.

```
.text, #text, p{  
    color:rgb(160, 199, 139)  
}
```

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(160, 199, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 199, 139) }
```

Border

The CSS property to change the border of an element to Yxy 50.1845, 0.3250, 0.4121 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(160, 199, 139) }
```

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

```
.border{ border-color:rgb(160, 199, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 199, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 199, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 199, 139);  
box-shadow:4px 4px 4px 4px rgb(160, 199,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1845, 0.3250, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 199, 139) }
```

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

```
.background{ background-color: rgb(160,  
199, 139) }
```

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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