

Converting Colors

$Yxy(45.2147, 0.3133, 0.3859)$

Have a look what the booklet for
Yxy(45.2147, 0.3133, 0.3859)
contains.

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Color

Yxy(45.3374, 0.3133, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	99BD95
RGB	153, 189, 149
RGB Percent	60%, 74%, 58%
CMY	0.3999, 0.2588, 0.4158
CMYK	0.19, 0.00, 0.21, 0.26
HSL	114°, 23%, 66%
HSV	114°, 21%, 74%
XYZ	36.7604, 45.3374, 35.2350
YIQ	173.6760, -8.6160, -20.0720

Conversions

Conversions Part 2

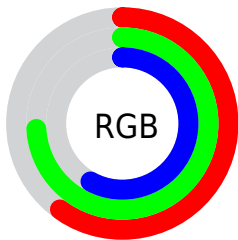
Format	Color
RYB	149, 189, 185
Decimal	10075541
CIELab	73.11, -19.82, 16.33
CIELCh	73, 25.681, 140.503
Yxy	45.3374, 0.3133, 0.3864
Android (android.graphics.Color)	4288265621 (0xFF99BD95)
YUV	173.6760, -12.1653, -18.1329
Hunter-Lab	67.3331, -20.3811, 16.1070

Details

The Yxy color **45.3374, 0.3133, 0.3864** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.4686, 0.3112, 0.2765**, and the grayscale version is **42.2212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0265, 0.3138, 0.3751**, and **21.2569, 0.3123, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **43.2466, 0.3132, 0.4182**, and if you desaturate by 10%, it is **47.7654, 0.3131, 0.3575**.

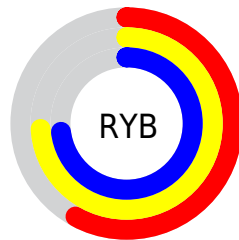
Distribution



Red (60%)

Green (74%)

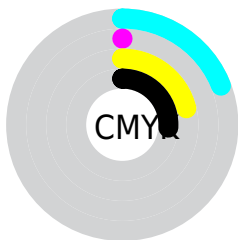
Blue (58%)



Red (58%)

Yellow (74%)

Blue (73%)

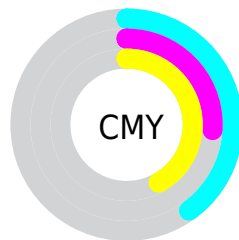


Cyan (19%)

Magenta (0%)

Yellow (21%)

Black (26%)



Cyan (40%)

Magenta (26%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3374, 0.3133, 0.3864 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 45.3374, 0.3133, 0.3864 by changing the saturation by 10% instead.


 45.3374, 0.3133,
0.3864

 45.3374, 0.3133,
0.3864


368.1383, 0.3135,
0.3566

 31.7233, 0.3131,
0.3942


 83.2265, 0.3135,
0.3753

 21.1502, 0.3127,
0.4044


 108.2702, 0.3135,
0.3712

 13.2338, 0.3119,
0.4184


137.8926, 0.3136,
0.3678

 7.5898, 0.3104,
0.4386

172.4781, 0.3136,
0.3649

 3.8336, 0.3071,
0.4702

212.4110, 0.3136,
0.3624

 1.5809, 0.3076,
0.5420

258.0757, 0.3135,

 0.3447, 0.0000,

0.3602

1.0000

309.8567, 0.3135,
0.3583

0.0000, 0.0000,
0.0000

45.3374, 0.3133,
0.3864

45.3374, 0.3133,
0.3864

43.2466, 0.3132,
0.4182

47.7654, 0.3131,
0.3575

41.4725, 0.3127,
0.4520

50.5385, 0.3128,
0.3318

40.0015, 0.3118,
0.4867


53.6716, 0.3123,
0.3092

38.8164, 0.3104,
0.5202

57.1769, 0.3117,
0.2896


37.8985, 0.3086,
0.5500


61.0661, 0.3111,
0.2726

 37.2269, 0.3064,
0.5738

 64.8664, 0.3157,
0.2643

 36.7772, 0.3041,
0.5898

 64.8758, 0.3157,
0.2644

 36.5355, 0.3024,
0.5981

Harmonies

Analogous

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



45.3374, 0.3487, 0.3939



45.3374, 0.3133, 0.3864



45.3374, 0.2790, 0.3603

Triad

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



45.3374, 0.3133, 0.3864



45.3374, 0.2525, 0.2747



45.3374, 0.3740, 0.3280

Complementary

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



45.3374, 0.3133, 0.3864



35.4686, 0.3112, 0.2765

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.



45.3374, 0.3454, 0.3001



45.3374, 0.3133, 0.3864



45.3374, 0.2751, 0.2700

Square

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



45.3374, 0.3133, 0.3864



45.3374, 0.2453, 0.2940



45.3374, 0.3088, 0.2794



45.3374, 0.3851, 0.3576

Rectangle

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



45.3374, 0.3133, 0.3864



45.3374, 0.2613, 0.3371



45.3374, 0.3088, 0.2794



45.3374, 0.3661, 0.3182

Sweetspot

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



45.3393, 0.3133, 0.3864



87.9919, 0.3130, 0.3441



47.4069, 0.3454, 0.3754



18.8530, 0.3130, 0.3457



95.5105, 0.3127, 0.3290



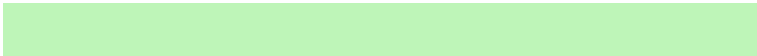
19.5994, 0.3127, 0.3290

Same Dimension

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



45.3393, 0.3133, 0.3864



79.5481, 0.3133, 0.3995



45.4746, 0.2988, 0.3642



10.6946, 0.3131, 0.3526



24.5980, 0.3028, 0.5978



0.9792, 0.3124, 0.5901

Inverse Universe

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



35.4686, 0.3112, 0.2765



58.9780, 0.3108, 0.2658



35.3478, 0.3297, 0.2963



9.6459, 0.3122, 0.3063



8.2321, 0.2959, 0.1404



0.3368, 0.3022, 0.1439

Previews

White Background



This preview shows how the Yxy color 45.3374, 0.3133, 0.3864 looks on a white background.

Color Contrast Check

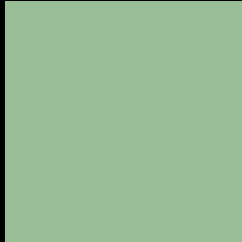
Large Text (above 18pt) WCAG AA × Fail

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 45.3374, 0.3133, 0.3864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

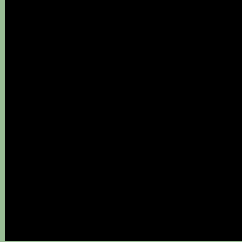
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3374, 0.3133, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 45.3374, 0.3133, 0.3864.



This preview shows how white text looks on a background with the Yxy color 45.3374, 0.3133, 0.3864.

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

45.3374, 0.3133, 0.3864

Protanopia

45.2010, 0.3519, 0.3752

Deuteranopia

44.8939, 0.3620, 0.3543



Tritanopia

45.0642, 0.2845, 0.3089

Trichromacy



Original Color

45.3374, 0.3133, 0.3864

Protanomaly

45.2894, 0.3373, 0.3794

Deuteranomaly

44.6400, 0.3434, 0.3649

Tritanomaly

45.2623, 0.2945, 0.3358

Monochromacy



Original Color

45.3374, 0.3133, 0.3864

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.0638, 0.3127, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3374, 0.3133, 0.3864 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(153, 189, 149)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 149)  
}
```

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(153, 189, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 149) }
```

Border

The CSS property to change the border of an element to Yxy 45.3374, 0.3133, 0.3864 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(153, 189, 149) }
```

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

```
.border{ border-color:rgb(153, 189, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 149);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3374, 0.3133, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 149) }
```

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

```
.background{ background-color: rgb(153,  
189, 149) }
```

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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