

Converting Colors

$Yxy(45.9803, 0.3191, 0.4343)$

Have a look what the booklet for
Yxy(45.9803, 0.3191, 0.4343)
contains.

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Color

Yxy(45.9744, 0.3191, 0.4340)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8BC37C |
| RGB | 139, 195, 124 |
| RGB Percent | 55%, 76%, 49% |
| CMY | 0.4548, 0.2353, 0.5138 |
| CMYK | 0.29, 0.00, 0.36, 0.24 |
| HSL | 107°, 37%, 63% |
| HSV | 107°, 36%, 76% |
| XYZ | 33.8028, 45.9744, 26.1546 |
| YIQ | 170.1620, -10.5850, -33.9530 |

Conversions

Conversions Part 2

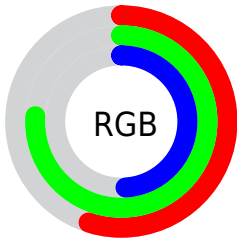
| Format | Color |
|-------------------------------------|--|
| RYB | 124, 195, 180 |
| Decimal | 9159548 |
| CIELab | 73.53, -31.65, 30.04 |
| CIElCh | 74, 43.634, 136.501 |
| Yxy | 45.9744, 0.3191, 0.4340 |
| Android (android.graphics.Color) | 4287349628 (0xFF8BC37C) |
| YUV | 170.1620, -22.7579, -27.3291 |
| Hunter-Lab | 67.8044, -29.6694, 24.5929 |

Details

The Yxy color **45.9744, 0.3191, 0.4340** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.0490, 0.3012, 0.2356**, and the grayscale version is **40.4058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2645, 0.3191, 0.4137**, and **21.5704, 0.3185, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **44.2992, 0.3197, 0.4674**, and if you desaturate by 10%, it is **47.9371, 0.3178, 0.4019**.

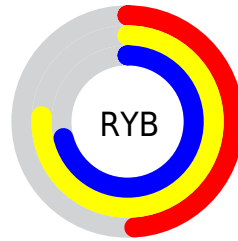
Distribution



Red (55%)

Green (76%)

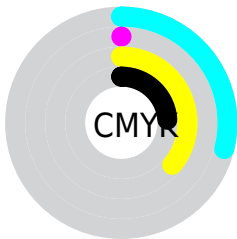
Blue (49%)



Red (49%)

Yellow (76%)

Blue (71%)

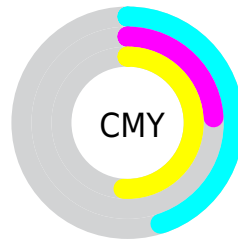


Cyan (29%)

Magenta (0%)

Yellow (36%)

Black (24%)



Cyan (45%)

Magenta (24%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9744, 0.3191, 0.4340 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 45.9744, 0.3191, 0.4340 by changing the saturation by 10% instead.


 45.9744, 0.3191,
0.4340

 45.9744, 0.3191,
0.4340


370.7057, 0.3176,
0.3788

 32.2256, 0.3188,
0.4486


 84.1807, 0.3190,
0.4133

 21.5339, 0.3180,
0.4676

 109.4070, 0.3188,
0.4057

 13.5148, 0.3161,
0.4937


 139.2279, 0.3186,
0.3994

 7.7840, 0.3117,
0.5308

174.0278, 0.3184,
0.3940

 3.9570, 0.3020,
0.5885

214.1912, 0.3182,
0.3894

 1.6496, 0.2829,
0.7171

260.1024, 0.3180,

 0.3907, 0.0000,

0.3854

1.0000

312.1457, 0.3178,
0.3819

0.0000, 0.0000,
0.0000

45.9744, 0.3191,
0.4340

45.9744, 0.3191,
0.4340

44.2992, 0.3197,
0.4674

47.9371, 0.3178,
0.4019

42.8922, 0.3194,
0.5005

50.1939, 0.3161,
0.3720

41.7405, 0.3182,
0.5314

52.7587, 0.3141,
0.3449


40.8282, 0.3158,
0.5579


55.6426, 0.3119,
0.3207


40.1371, 0.3125,
0.5779


58.8561, 0.3097,
0.2993

 39.6455, 0.3086,
0.5906

 62.4094, 0.3075,
0.2805

 39.5081, 0.3074,
0.5941

 65.9539, 0.3092,
0.2691

 67.5103, 0.3155,
0.2703

Harmonies

Analogous

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



45.9744, 0.3774, 0.4379



45.9744, 0.3191, 0.4340



45.9744, 0.2621, 0.3910

Triad

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



45.9744, 0.3191, 0.4340



45.9744, 0.2122, 0.2419



45.9744, 0.4120, 0.3183

Complementary

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



45.9744, 0.3191, 0.4340



28.0490, 0.3012, 0.2356

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.



45.9744, 0.3592, 0.2763



45.9744, 0.3191, 0.4340



45.9744, 0.2441, 0.2336

Square

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



45.9744, 0.3191, 0.4340



45.9744, 0.2042, 0.2739



45.9744, 0.2966, 0.2463



45.9744, 0.4348, 0.3653

Rectangle

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



45.9744, 0.3191, 0.4340



45.9744, 0.2323, 0.3495



45.9744, 0.2966, 0.2463



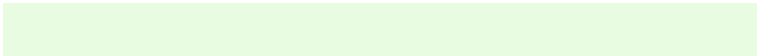
45.9744, 0.3969, 0.3034

Sweetspot

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



45.9764, 0.3191, 0.4340



92.2389, 0.3151, 0.3574



45.5434, 0.3733, 0.4011



20.0610, 0.3154, 0.3612



0.0000, 0.0000, 0.0000



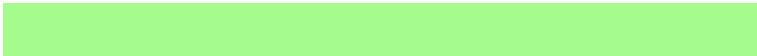
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9764, 0.3191, 0.4340



79.8268, 0.3197, 0.4616



45.3309, 0.2944, 0.4060



11.3593, 0.3147, 0.3526



25.7082, 0.3081, 0.5936



1.1414, 0.3238, 0.5811

Inverse Universe

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



28.0490, 0.3012, 0.2356



42.8613, 0.2976, 0.2143



29.1034, 0.3382, 0.2630



10.1364, 0.3105, 0.3061



7.0437, 0.2683, 0.1252



0.3319, 0.2807, 0.1320

Previews

White Background



This preview shows how the Yxy color 45.9744, 0.3191, 0.4340 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 45.9744, 0.3191, 0.4340 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 45.9744, 0.3191, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 45.9744, 0.3191, 0.4340.



This preview shows how white text looks on a background with the Yxy color 45.9744, 0.3191, 0.4340.

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

45.9744, 0.3191, 0.4340

Protanopia

45.5526, 0.3780, 0.4090

Deuteranopia

45.3862, 0.3906, 0.3817



Tritanopia

45.9633, 0.2761, 0.3100

Trichromacy



Original Color

45.9744, 0.3191, 0.4340

Protanomaly

45.1679, 0.3556, 0.4180

Deuteranomaly

44.7396, 0.3630, 0.3996

Tritanomaly

45.5768, 0.2919, 0.3530

Monochromacy



Original Color

45.9744, 0.3191, 0.4340

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.9110, 0.3162, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9744, 0.3191, 0.4340 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(139, 195, 124)` looks like.

```
.text, #text, p{  
    color:rgb(139, 195, 124)  
}
```

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(139, 195, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 195, 124) }
```

Border

The CSS property to change the border of an element to Yxy 45.9744, 0.3191, 0.4340 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(139, 195, 124) }
```

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

```
.border{ border-color:rgb(139, 195, 124) }
```

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

Here you see how a box with a 4 pixel rgb(139, 195, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 195, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 195, 124);  
box-shadow:4px 4px 4px 4px rgb(139, 195,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9744, 0.3191, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 195, 124) }
```

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

```
.background{ background-color: rgb(139,  
195, 124) }
```

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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