

Converting Colors

$Yxy(45.6709, 0.3190, 0.3879)$

Have a look what the booklet for
Yxy(45.6709, 0.3190, 0.3879)
contains.

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Color

Yxy(45.7709, 0.3189, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	9EBD93
RGB	158, 189, 147
RGB Percent	62%, 74%, 58%
CMY	0.3804, 0.2588, 0.4236
CMYK	0.16, 0.00, 0.22, 0.26
HSL	104°, 24%, 66%
HSV	104°, 22%, 74%
XYZ	37.5613, 45.7709, 34.4518
YIQ	174.9430, -4.9940, -19.6340

Conversions

Conversions Part 2

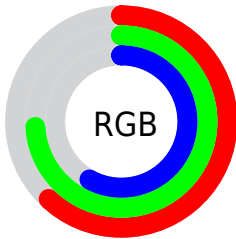
Format	Color
RYB	147, 189, 178
Decimal	10403219
CIELab	73.40, -18.41, 17.85
CIELCh	73, 25.641, 135.890
Yxy	45.7709, 0.3189, 0.3886
Android (android.graphics.Color)	4288593299 (0xFF9EBD93)
YUV	174.9430, -13.7759, -14.8590
Hunter-Lab	67.6542, -19.2923, 17.1654

Details

The Yxy color **45.7709, 0.3189, 0.3886** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.0032, 0.3046, 0.2727**, and the grayscale version is **42.9123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6680, 0.3182, 0.3769**, and **21.5170, 0.3199, 0.4082** is the 20% darker color. If you saturate the color by 10%, you get **43.8921, 0.3211, 0.4194**, and if you desaturate by 10%, it is **47.9118, 0.3162, 0.3601**.

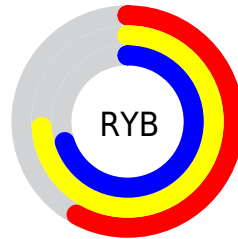
Distribution



Red (62%)

Green (74%)

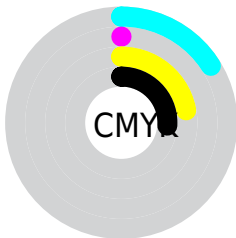
Blue (58%)



Red (58%)

Yellow (74%)

Blue (70%)

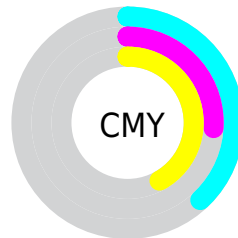


Cyan (16%)

Magenta (0%)

Yellow (22%)

Black (26%)



Cyan (38%)


Magenta (26%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7709, 0.3189, 0.3886 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 45.7709, 0.3189, 0.3886 by changing the saturation by 10% instead.


 45.7709, 0.3189,
0.3886

 45.7709, 0.3189,
0.3886


369.8868, 0.3163,
0.3578

 32.0651, 0.3194,
0.3966


 83.8760, 0.3181,
0.3771

 21.4112, 0.3198,
0.4071


 109.0441, 0.3178,
0.3729

 13.4249, 0.3202,
0.4214


138.8017, 0.3174,
0.3694

 7.7218, 0.3203,
0.4420

173.5333, 0.3172,
0.3664

 3.9174, 0.3193,
0.4739

213.6232, 0.3169,
0.3638

 1.6275, 0.3263,
0.5498

259.4558, 0.3167,

 0.3760, 0.0000,

0.3615

1.0000

311.4156, 0.3165,
0.3595

0.0000, 0.0000,
0.0000

45.7709, 0.3189,
0.3886

45.7709, 0.3189,
0.3886

43.8921, 0.3211,
0.4194

47.9118, 0.3162,
0.3601

42.2593, 0.3228,
0.4518

50.3185, 0.3134,
0.3344

40.8638, 0.3235,
0.4846

53.0018, 0.3104,
0.3114

39.6938, 0.3230,
0.5160

55.9705, 0.3075,
0.2910

38.7368, 0.3213,
0.5441

59.2327, 0.3047,
0.2731

■ 37.9786, 0.3183,
0.5669

■ 62.4442, 0.3057,
0.2623

■ 37.4031, 0.3143,
0.5829

■ 64.8791, 0.3157,
0.2644

■ 37.0640, 0.3109,
0.5913

Harmonies

Analogous

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



45.7709, 0.3534, 0.3930



45.7709, 0.3189, 0.3886



45.7709, 0.2840, 0.3650

Triad

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



45.7709, 0.3189, 0.3886



45.7709, 0.2507, 0.2770



45.7709, 0.3703, 0.3235

Complementary

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



45.7709, 0.3189, 0.3886



34.0032, 0.3046, 0.2727

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.



45.7709, 0.3399, 0.2964



45.7709, 0.3189, 0.3886



45.7709, 0.2710, 0.2701

Square

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



45.7709, 0.3189, 0.3886



45.7709, 0.2460, 0.2983



45.7709, 0.3032, 0.2773



45.7709, 0.3844, 0.3531

Rectangle

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



45.7709, 0.3189, 0.3886



45.7709, 0.2651, 0.3425



45.7709, 0.3032, 0.2773



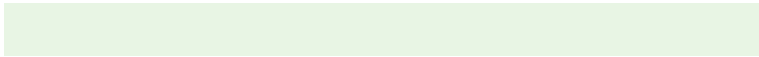
45.7709, 0.3616, 0.3139

Sweetspot

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



45.7729, 0.3189, 0.3886



87.9475, 0.3148, 0.3466



44.6884, 0.3487, 0.3699



18.8574, 0.3150, 0.3481



95.5105, 0.3127, 0.3290



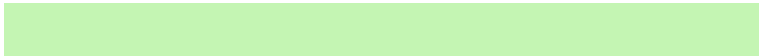
19.5994, 0.3127, 0.3290

Same Dimension

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



45.7729, 0.3189, 0.3886



80.1631, 0.3201, 0.4044



45.0279, 0.3027, 0.3755



10.7671, 0.3154, 0.3524



24.9672, 0.3117, 0.5907



1.0109, 0.3303, 0.5759

Inverse Universe

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



34.0032, 0.3046, 0.2727



55.1140, 0.3022, 0.2588



34.9456, 0.3246, 0.2866



9.5672, 0.3097, 0.3061



6.2342, 0.2562, 0.1185



0.2742, 0.2725, 0.1275

Previews

White Background



This preview shows how the Yxy color 45.7709, 0.3189, 0.3886 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 45.7709, 0.3189, 0.3886 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 45.7709, 0.3189, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 45.7709, 0.3189, 0.3886.



This preview shows how white text looks on a background with the Yxy color 45.7709, 0.3189, 0.3886.

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

45.7709, 0.3189, 0.3886

Protanopia

45.7021, 0.3534, 0.3776

Deuteranopia

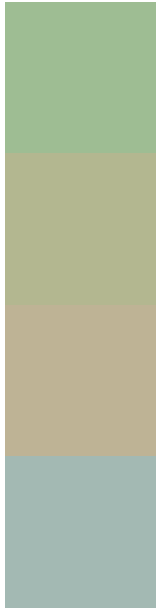
45.4990, 0.3654, 0.3578



Tritanopia

45.5941, 0.2883, 0.3091

Trichromacy



Original Color

45.7709, 0.3189, 0.3886

Protanomaly

45.4643, 0.3407, 0.3819

Deuteranomaly

45.3573, 0.3476, 0.3685

Tritanomaly

45.7391, 0.2992, 0.3371

Monochromacy



Original Color

45.7709, 0.3189, 0.3886

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7941, 0.3152, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7709, 0.3189, 0.3886 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, 189, 147)` looks like.

```
.text, #text, p{  
    color:rgb(158, 189, 147)  
}
```

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, 189, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 189, 147) }
```

Border

The CSS property to change the border of an element to Yxy 45.7709, 0.3189, 0.3886 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, 189, 147) }
```

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

```
.border{ border-color:rgb(158, 189, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 189, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 189, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 189, 147);  
box-shadow:4px 4px 4px 4px rgb(158, 189,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7709, 0.3189, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 189, 147) }
```

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

```
.background{ background-color: rgb(158,  
189, 147) }
```

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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