

Converting Colors

$Yxy(45.9036, 0.3447, 0.4556)$

Have a look what the booklet for
Yxy(45.9036, 0.3447, 0.4556)
contains.

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Color

Yxy(45.9117, 0.3445, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	99C168
RGB	153, 193, 104
RGB Percent	60%, 76%, 41%
CMY	0.3999, 0.2431, 0.5921
CMYK	0.21, 0.00, 0.46, 0.24
HSL	87°, 42%, 58%
HSV	87°, 46%, 76%
XYZ	34.7083, 45.9117, 20.1298
YIQ	170.8940, 4.7290, -36.1590

Conversions

Conversions Part 2

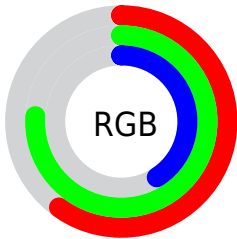
Format	Color
RYB	104, 193, 144
Decimal	10076520
CIELab	73.49, -28.34, 40.36
CIELCh	73, 49.313, 125.080
Yxy	45.9117, 0.3445, 0.4557
Android (android.graphics.Color)	4288266600 (0xFF99C168)
YUV	170.8940, -32.9787, -15.6930
Hunter-Lab	67.7582, -27.1423, 29.8167

Details

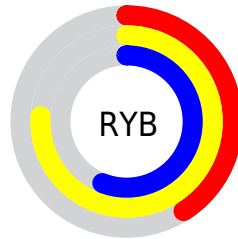
The Yxy color **45.9117, 0.3445, 0.4557** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **19.6798, 0.2644, 0.1995**, and the grayscale version is **40.8384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3608, 0.3403, 0.4313**, and **21.4409, 0.3490, 0.4937** is the 20% darker color. If you saturate the color by 10%, you get **44.7519, 0.3488, 0.4839**, and if you desaturate by 10%, it is **47.2266, 0.3387, 0.4266**.

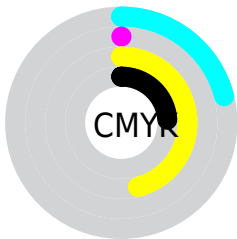
Distribution



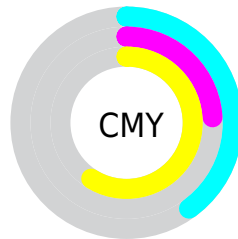
- Red (60%)
- Green (76%)
- Blue (41%)



- Red (41%)
- Yellow (76%)
- Blue (56%)



- Cyan (21%)
- Magenta (0%)
- Yellow (46%)
- Black (24%)





- Cyan (40%)
- Magenta (24%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9117, 0.3445, 0.4557 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 45.9117, 0.3445, 0.4557 by changing the saturation by 10% instead.

 45.9117, 0.3445,
0.4557


 45.9117, 0.3445,
0.4557


370.4535, 0.3312,
0.3897


 32.1761, 0.3467,
0.4726


 84.0868, 0.3404,
0.4313


 21.4961, 0.3487,
0.4943


 109.2952, 0.3387,
0.4223

 13.4871, 0.3499,
0.5231


 139.0966, 0.3371,
0.4147

 7.7648, 0.3483,
0.5621

 173.8755, 0.3357,
0.4082

 3.9448, 0.3544,
0.6440

214.0163, 0.3344,
0.4026

 1.6427, 0.3069,
0.6931

259.9033, 0.3332,

 0.3862, 0.0000,

0.3978

1.0000

311.9209, 0.3322,
0.3935

■ 0.0000, 0.0000,
0.0000

■ 45.9117, 0.3445,
0.4557

■ 45.9117, 0.3445,
0.4557

■ 44.7519, 0.3488,
0.4839

■ 47.2266, 0.3387,
0.4266

■ 43.7337, 0.3513,
0.5098

■ 48.6974, 0.3320,
0.3977

■ 42.8507, 0.3516,
0.5320


■ 50.3326, 0.3248,
0.3700


■ 42.0934, 0.3496,
0.5494


■ 52.1380, 0.3173,
0.3439

■ 41.4501, 0.3454,
0.5615

■ 54.1194, 0.3098,
0.3199

 41.2223, 0.3436,
0.5654

 56.2820, 0.3026,
0.2980

 58.6310, 0.2957,
0.2782

 60.9500, 0.2914,
0.2637

 62.3577, 0.2978,
0.2649

Harmonies

Analogous

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



45.9117, 0.4058, 0.4418



45.9117, 0.3445, 0.4557



45.9117, 0.2780, 0.4233

Triad

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



45.9117, 0.3445, 0.4557



45.9117, 0.1944, 0.2415



45.9117, 0.4052, 0.2976

Complementary

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



45.9117, 0.3445, 0.4557



19.6798, 0.2644, 0.1995

Split Complementary

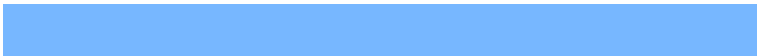
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.9117, 0.3377, 0.2557



45.9117, 0.3445, 0.4557



45.9117, 0.2195, 0.2233

Square

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



45.9117, 0.3445, 0.4557



45.9117, 0.1956, 0.2867



45.9117, 0.2696, 0.2293



45.9117, 0.4458, 0.3480

Rectangle

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



45.9117, 0.3445, 0.4557



45.9117, 0.2398, 0.3798



45.9117, 0.2696, 0.2293



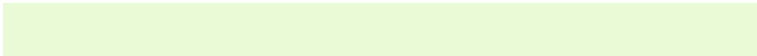
45.9117, 0.3844, 0.2823

Sweetspot

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



45.9137, 0.3445, 0.4557



90.7343, 0.3234, 0.3649



31.8529, 0.4100, 0.3813



19.3207, 0.3250, 0.3708



97.7402, 0.3127, 0.3290



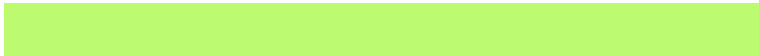
20.4902, 0.3127, 0.3290

Same Dimension

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



45.9137, 0.3445, 0.4557



80.2000, 0.3487, 0.4832



42.4505, 0.3101, 0.4703



11.5261, 0.3197, 0.3522



27.4657, 0.3445, 0.5647



1.2272, 0.3607, 0.5518

Inverse Universe

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



19.6798, 0.2644, 0.1995



27.6067, 0.2509, 0.1707



24.3251, 0.3113, 0.2158



9.9645, 0.3052, 0.3057



3.9452, 0.1939, 0.0842



0.2113, 0.2196, 0.0983

Previews

White Background



This preview shows how the Yxy color 45.9117, 0.3445, 0.4557 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 45.9117, 0.3445, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

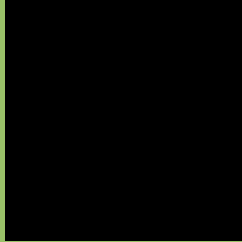
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9117, 0.3445, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 45.9117, 0.3445, 0.4557.



This preview shows how white text looks on a background with the Yxy color 45.9117, 0.3445, 0.4557.

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

45.9117, 0.3445, 0.4557

Protanopia

45.5491, 0.3957, 0.4305

Deuteranopia

45.5146, 0.4118, 0.4037



Tritanopia

45.5941, 0.2883, 0.3091

Trichromacy



Original Color

45.9117, 0.3445, 0.4557

Protanomaly

45.5826, 0.3762, 0.4399

Deuteranomaly

45.1734, 0.3858, 0.4228

Tritanomaly

45.3392, 0.3096, 0.3611

Monochromacy



Original Color

45.9117, 0.3445, 0.4557

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2393, 0.3254, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9117, 0.3445, 0.4557 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, 193, 104)` looks like.

```
.text, #text, p{  
    color:rgb(153, 193, 104)  
}
```

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, 193, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 193, 104) }
```

Border

The CSS property to change the border of an element to Yxy 45.9117, 0.3445, 0.4557 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, 193, 104) }
```

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

```
.border{ border-color:rgb(153, 193, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 193, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 193, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 193, 104);  
box-shadow:4px 4px 4px 4px rgb(153, 193,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9117, 0.3445, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 193, 104) }
```

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

```
.background{ background-color: rgb(153,  
193, 104) }
```

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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