

Converting Colors

$Yxy(45.8414, 0.3205, 0.3899)$

Have a look what the booklet for
Yxy(45.8414, 0.3205, 0.3899)
contains.

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Color

Yxy(45.8414, 0.3205, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	9FBD92
RGB	159, 189, 146
RGB Percent	62%, 74%, 57%
CMY	0.3765, 0.2588, 0.4275
CMYK	0.16, 0.00, 0.23, 0.26
HSL	102°, 25%, 66%
HSV	102°, 23%, 74%
XYZ	37.6819, 45.8414, 34.0489
YIQ	175.1280, -4.0770, -19.7330

Conversions

Conversions Part 2

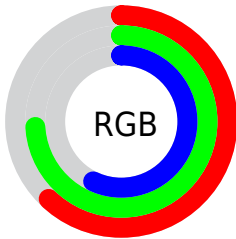
Format	Color
RYB	146, 189, 176
Decimal	10468754
CIELab	73.44, -18.22, 18.46
CIELCh	73, 25.935, 134.620
Yxy	45.8414, 0.3205, 0.3899
Android (android.graphics.Color)	4288658834 (0xFF9FBD92)
YUV	175.1280, -14.3601, -14.1443
Hunter-Lab	67.7063, -19.1419, 17.5780

Details

The Yxy color **45.8414, 0.3205, 0.3899** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.4567, 0.3027, 0.2710**, and the grayscale version is **43.0165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7711, 0.3194, 0.3779**, and **21.5603, 0.3220, 0.4100** is the 20% darker color. If you saturate the color by 10%, you get **44.0262, 0.3234, 0.4205**, and if you desaturate by 10%, it is **47.9016, 0.3172, 0.3615**.

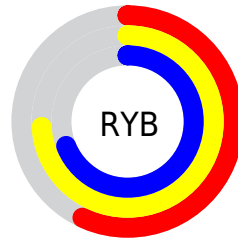
Distribution



Red (62%)

Green (74%)

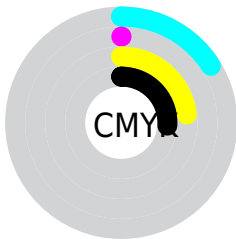
Blue (57%)



Red (57%)

Yellow (74%)

Blue (69%)

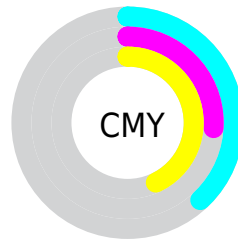


Cyan (16%)

Magenta (0%)

Yellow (23%)

Black (26%)



Cyan (38%)


Magenta (26%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8414, 0.3205, 0.3899 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 45.8414, 0.3205, 0.3899 by changing the saturation by 10% instead.


 45.8414, 0.3205,
0.3899


 45.8414, 0.3205,
0.3899


370.1707, 0.3171,
0.3584

 32.1207, 0.3211,
0.3981


 83.9816, 0.3194,
0.3782

 21.4537, 0.3218,
0.4088


 109.1699, 0.3190,
0.3739

 13.4560, 0.3225,
0.4234


138.9494, 0.3186,
0.3703

 7.7433, 0.3230,
0.4443


173.7047, 0.3182,
0.3672

 3.9311, 0.3225,
0.4767

213.8201, 0.3179,
0.3645

 1.6351, 0.3320,
0.5559

259.6799, 0.3176,

 0.3811, 0.0000,

0.3622

1.0000

311.6686, 0.3174,
0.3602

0.0000, 0.0000,
0.0000

45.8414, 0.3205,
0.3899

45.8414, 0.3205,
0.3899

44.0262, 0.3234,
0.4205

47.9016, 0.3172,
0.3615

42.4409, 0.3255,
0.4525

50.2095, 0.3137,
0.3357

41.0774, 0.3267,
0.4847

52.7755, 0.3101,
0.3125

39.9251, 0.3266,
0.5155

55.6075, 0.3066,
0.2919

38.9723, 0.3250,
0.5429

58.7129, 0.3032,
0.2738

■ 38.2062, 0.3219,
0.5651

■ 61.8132, 0.3030,
0.2618

■ 37.6118, 0.3176,
0.5808

■ 64.1810, 0.3129,
0.2638

■ 37.2727, 0.3142,
0.5887

■ 64.8782, 0.3157,
0.2644

Harmonies

Analogous

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



45.8414, 0.3552, 0.3934



45.8414, 0.3205, 0.3899



45.8414, 0.2850, 0.3667

Triad

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



45.8414, 0.3205, 0.3899



45.8414, 0.2495, 0.2770



45.8414, 0.3699, 0.3221

Complementary

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



45.8414, 0.3205, 0.3899



33.4567, 0.3027, 0.2710

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.



45.8414, 0.3387, 0.2951



45.8414, 0.3205, 0.3899



45.8414, 0.2694, 0.2694

Square

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



45.8414, 0.3205, 0.3899



45.8414, 0.2454, 0.2992



45.8414, 0.3015, 0.2762



45.8414, 0.3850, 0.3521

Rectangle

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



45.8414, 0.3205, 0.3899



45.8414, 0.2656, 0.3442



45.8414, 0.3015, 0.2762



45.8414, 0.3609, 0.3125

Sweetspot

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



45.8434, 0.3205, 0.3899



88.0644, 0.3152, 0.3466



43.7037, 0.3502, 0.3681



18.8845, 0.3155, 0.3481



95.5105, 0.3127, 0.3290



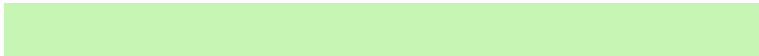
19.5994, 0.3127, 0.3290

Same Dimension

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



45.8434, 0.3205, 0.3899



80.5267, 0.3219, 0.4039



44.8365, 0.3040, 0.3800



10.7857, 0.3160, 0.3524



25.1117, 0.3151, 0.5880



1.0189, 0.3346, 0.5725

Inverse Universe

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



33.4567, 0.3027, 0.2710



54.6793, 0.3001, 0.2584



34.7135, 0.3228, 0.2829



9.5475, 0.3091, 0.3061



5.8056, 0.2465, 0.1132



0.2601, 0.2650, 0.1233

Previews

White Background



This preview shows how the Yxy color 45.8414, 0.3205, 0.3899 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 45.8414, 0.3205, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

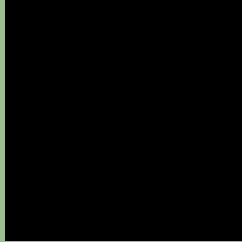
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8414, 0.3205, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 45.8414, 0.3205, 0.3899.



This preview shows how white text looks on a background with the Yxy color 45.8414, 0.3205, 0.3899.

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

45.8414, 0.3205, 0.3899

Protanopia

45.8020, 0.3551, 0.3788

Deuteranopia

45.4670, 0.3663, 0.3591



Tritanopia

45.7026, 0.2891, 0.3091

Trichromacy



Original Color

45.8414, 0.3205, 0.3899

Protanomaly

45.5534, 0.3424, 0.3831

Deuteranomaly

45.3255, 0.3485, 0.3699

Tritanomaly

45.8048, 0.3007, 0.3385

Monochromacy



Original Color

45.8414, 0.3205, 0.3899

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7579, 0.3160, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8414, 0.3205, 0.3899 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(159, 189, 146)` looks like.

```
.text, #text, p{  
    color:rgb(159, 189, 146)  
}
```

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(159, 189, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 189, 146) }
```

Border

The CSS property to change the border of an element to Yxy 45.8414, 0.3205, 0.3899 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(159, 189, 146) }
```

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

```
.border{ border-color:rgb(159, 189, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 189, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 189, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 189, 146);  
box-shadow:4px 4px 4px 4px rgb(159, 189,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8414, 0.3205, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 189, 146) }
```

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

```
.background{ background-color: rgb(159,  
189, 146) }
```

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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