

Converting Colors

$Y_{xy}(45.5625, 0.3085, 0.3749)$

Have a look what the booklet for
Yxy(45.5625, 0.3085, 0.3749)
contains.

Yxy(45.6655, 0.3089, 0.3759)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6655, 0.3089, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	9ABD9C
RGB	154, 189, 156
RGB Percent	60%, 74%, 61%
CMY	0.3960, 0.2588, 0.3882
CMYK	0.19, 0.00, 0.17, 0.26
HSL	123°, 21%, 67%
HSV	123°, 19%, 74%
XYZ	37.5261, 45.6655, 38.2915
YIQ	174.7730, -10.2670, -17.6830

Conversions

Conversions Part 2

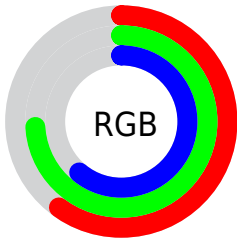
Format	Color
RYB	154, 187, 189
Decimal	10141084
CIELab	73.33, -18.23, 12.84
CIELCh	73, 22.299, 144.834
Yxy	45.6655, 0.3089, 0.3759
Android (android.graphics.Color)	4288331164 (0xFF9ABD9C)
YUV	174.7730, -9.2551, -18.2179
Hunter-Lab	67.5763, -19.1347, 13.7072

Details

The Yxy color **45.6655, 0.3089, 0.3759** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.5209, 0.3166, 0.2862**, and the grayscale version is **42.8007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5633, 0.3097, 0.3660**, and **21.4530, 0.3066, 0.3907** is the 20% darker color. If you saturate the color by 10%, you get **43.3963, 0.3067, 0.4057**, and if you desaturate by 10%, it is **48.3191, 0.3110, 0.3492**.

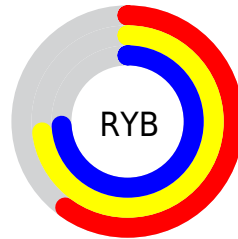
Distribution



Red (60%)

Green (74%)

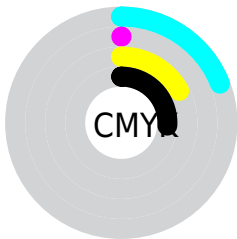
Blue (61%)



Red (60%)

Yellow (73%)

Blue (74%)

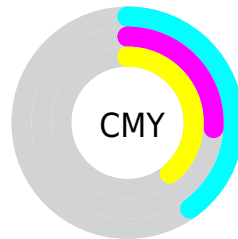


Cyan (19%)

Magenta (0%)

Yellow (17%)

Black (26%)



Cyan (40%)


Magenta (26%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6655, 0.3089, 0.3759 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 45.6655, 0.3089, 0.3759 by changing the saturation by 10% instead.

 45.6655, 0.3089,
0.3759


 45.6655, 0.3089,
0.3759


369.4622, 0.3112,
0.3517

 31.9819, 0.3082,
0.3822


 83.7182, 0.3098,
0.3669

 21.3477, 0.3073,
0.3905


 108.8561, 0.3101,
0.3636

 13.3784, 0.3058,
0.4017


138.5809, 0.3104,
0.3608

 7.6896, 0.3036,
0.4179

173.2770, 0.3106,
0.3584

 3.8970, 0.2995,
0.4434

213.3288, 0.3108,
0.3564

 1.6161, 0.2929,
0.4916

259.1206, 0.3109,

 0.3684, 0.0000,

0.3546

1.0000

311.0370, 0.3111,
0.3531

0.0000, 0.0000,
0.0000

45.6655, 0.3089,
0.3759

45.6655, 0.3089,
0.3759

43.3963, 0.3067,
0.4057

48.3191, 0.3110,
0.3492

41.4883, 0.3045,
0.4381

51.3678, 0.3130,
0.3257

39.9246, 0.3025,
0.4720

54.8287, 0.3148,
0.3053

38.6846, 0.3008,
0.5058

58.7165, 0.3165,
0.2876

37.7456, 0.2995,
0.5372

63.0450, 0.3180,
0.2725

■ 37.0819, 0.2988,
0.5638

■ 64.8761, 0.3157,
0.2644

■ 36.6637, 0.2988,
0.5835

■ 36.4444, 0.2991,
0.5953

■ 36.4198, 0.2990,
0.5965

Harmonies

Analogous

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



45.6655, 0.3400, 0.3852



45.6655, 0.3089, 0.3759



45.6655, 0.2798, 0.3519

Triad

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



45.6655, 0.3089, 0.3759



45.6655, 0.2623, 0.2804



45.6655, 0.3682, 0.3322

Complementary

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



45.6655, 0.3089, 0.3759



37.5209, 0.3166, 0.2862

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.



45.6655, 0.3453, 0.3071



45.6655, 0.3089, 0.3759



45.6655, 0.2839, 0.2779

Square

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



45.6655, 0.3089, 0.3759



45.6655, 0.2539, 0.2957



45.6655, 0.3141, 0.2876



45.6655, 0.3752, 0.3578

Rectangle

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



45.6655, 0.3089, 0.3759



45.6655, 0.2653, 0.3318



45.6655, 0.3141, 0.2876



45.6655, 0.3620, 0.3235

Sweetspot

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



45.6674, 0.3089, 0.3759



87.7922, 0.3115, 0.3432



49.3261, 0.3387, 0.3746



18.8059, 0.3114, 0.3448



95.5105, 0.3127, 0.3290



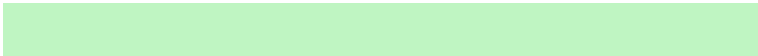
19.5994, 0.3127, 0.3290

Same Dimension

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



45.6674, 0.3089, 0.3759



80.1489, 0.3081, 0.3870



46.2939, 0.2963, 0.3509



10.6582, 0.3108, 0.3513



24.5076, 0.2988, 0.5957



0.9630, 0.2942, 0.5793

Inverse Universe

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



37.5209, 0.3166, 0.2862



63.0079, 0.3175, 0.2772



36.8260, 0.3328, 0.3081



9.6866, 0.3146, 0.3077



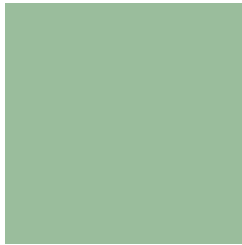
9.4513, 0.3356, 0.1622



0.3731, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 45.6655, 0.3089, 0.3759 looks on a white background.

Color Contrast Check

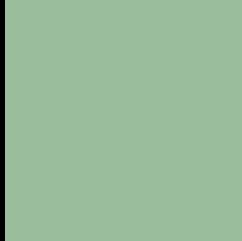
Large Text (above 18pt) WCAG AA × Fail

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 45.6655, 0.3089, 0.3759 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 45.6655, 0.3089, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 45.6655, 0.3089, 0.3759.



This preview shows how white text looks on a background with the Yxy color 45.6655, 0.3089, 0.3759.

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

45.6655, 0.3089, 0.3759

Protanopia

45.2934, 0.3450, 0.3660

Deuteranopia

45.2277, 0.3535, 0.3468



Tritanopia

45.5213, 0.2838, 0.3089

Trichromacy



Original Color

45.6655, 0.3089, 0.3759

Protanomaly

45.3970, 0.3307, 0.3698

Deuteranomaly

45.1479, 0.3363, 0.3569

Tritanomaly

45.3859, 0.2923, 0.3317

Monochromacy



Original Color

45.6655, 0.3089, 0.3759

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.6852, 0.3111, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6655, 0.3089, 0.3759 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(154, 189, 156)` looks like.

```
.text, #text, p{  
    color:rgb(154, 189, 156)  
}
```

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(154, 189, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 189, 156) }
```

Border

The CSS property to change the border of an element to Yxy 45.6655, 0.3089, 0.3759 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(154, 189, 156) }
```

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

```
.border{ border-color:rgb(154, 189, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 189, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 189, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 189, 156);  
box-shadow:4px 4px 4px 4px rgb(154, 189,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6655, 0.3089, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 189, 156) }
```

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

```
.background{ background-color: rgb(154,  
189, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor