

Converting Colors

$Yxy(45.4089, 0.2957, 0.4159)$

Have a look what the booklet for
Yxy(45.4089, 0.2957, 0.4159)
contains.

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Color

Yxy(45.4089, 0.2957, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	79C48B
RGB	121, 196, 139
RGB Percent	47%, 77%, 55%
CMY	0.5255, 0.2314, 0.4549
CMYK	0.38, 0.00, 0.29, 0.23
HSL	134°, 39%, 62%
HSV	134°, 38%, 77%
XYZ	32.2852, 45.4089, 31.4882
YIQ	167.0770, -26.4030, -33.6270

Conversions

Conversions Part 2

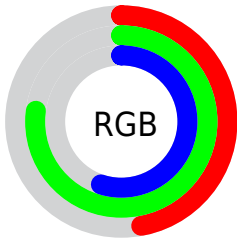
Format	Color
RYB	121, 181, 196
Decimal	7980171
CIELab	73.16, -35.45, 21.47
CIELCh	73, 41.439, 148.802
Yxy	45.4089, 0.2957, 0.4159
Android (android.graphics.Color)	4286170251 (0xFF79C48B)
YUV	167.0770, -13.8420, -40.4095
Hunter-Lab	67.3861, -32.4050, 19.4653

Details

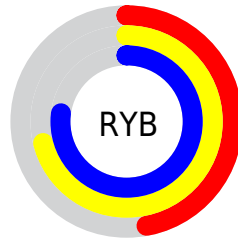
The Yxy color **45.4089, 0.2957, 0.4159** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.6262, 0.3363, 0.2557**, and the grayscale version is **38.7623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3309, 0.2995, 0.3983**, and **21.2962, 0.2888, 0.4438** is the 20% darker color. If you saturate the color by 10%, you get **43.7294, 0.2922, 0.4437**, and if you desaturate by 10%, it is **47.4392, 0.2998, 0.3899**.

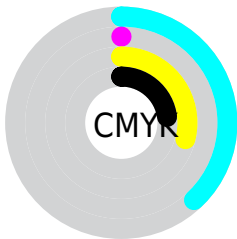
Distribution



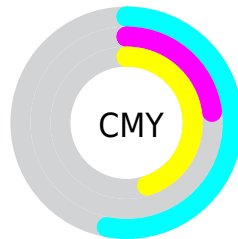
- Red (47%)
- Green (77%)
- Blue (55%)



- Red (47%)
- Yellow (71%)
- Blue (77%)



- Cyan (38%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)





- Cyan (53%)
- Magenta (23%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4089, 0.2957, 0.4159 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 45.4089, 0.2957, 0.4159 by changing the saturation by 10% instead.


 45.4089, 0.2957,
0.4159


 45.4089, 0.2957,
0.4159

368.4271, 0.3054,
0.3700

 31.7796, 0.2928,
0.4282


 83.3337, 0.2995,
0.3986

 21.1932, 0.2889,
0.4444


 108.3980, 0.3009,
0.3923

 13.2653, 0.2831,
0.4667


 138.0427, 0.3020,
0.3871

 7.6115, 0.2741,
0.4994

172.6523, 0.3029,
0.3826

 3.8474, 0.2583,
0.5512

212.6111, 0.3037,
0.3788

 1.5886, 0.2368,
0.7242

258.3036, 0.3044,

 0.3499, 0.0000,

0.3755

1.0000

310.1141, 0.3049,
0.3726

0.0000, 0.0000,
0.0000

45.4089, 0.2957,
0.4159

45.4089, 0.2957,
0.4159

43.7294, 0.2922,
0.4437

47.4392, 0.2998,
0.3899

42.3751, 0.2896,
0.4725

49.8330, 0.3043,
0.3661

41.3260, 0.2882,
0.5010

52.6091, 0.3089,
0.3448

40.5571, 0.2882,
0.5278

55.7834, 0.3135,
0.3259

40.0398, 0.2896,
0.5514

59.3711, 0.3180,
0.3094

 39.7306, 0.2922,
0.5704

 63.3863, 0.3223,
0.2949

 39.6871, 0.2926,
0.5733

 67.2296, 0.3239,
0.2821

 67.9617, 0.3154,
0.2712

Harmonies

Analogous

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



45.4089, 0.3529, 0.4357



45.4089, 0.2957, 0.4159



45.4089, 0.2459, 0.3642

Triad

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



45.4089, 0.2957, 0.4159



45.4089, 0.2263, 0.2397



45.4089, 0.4205, 0.3374

Complementary

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



45.4089, 0.2957, 0.4159



28.6262, 0.3363, 0.2557

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.



45.4089, 0.3801, 0.2942



45.4089, 0.2957, 0.4159



45.4089, 0.2657, 0.2402

Square

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



45.4089, 0.2957, 0.4159



45.4089, 0.2089, 0.2612



45.4089, 0.3217, 0.2597



45.4089, 0.4279, 0.3824

Rectangle

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



45.4089, 0.2957, 0.4159



45.4089, 0.2230, 0.3240



45.4089, 0.3217, 0.2597



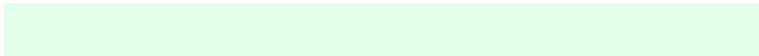
45.4089, 0.4102, 0.3225

Sweetspot

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



45.4108, 0.2957, 0.4159



93.7649, 0.3076, 0.3507



50.3868, 0.3541, 0.4282



19.9184, 0.3069, 0.3536



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.



45.4108, 0.2957, 0.4159



79.6453, 0.2927, 0.4393



46.6815, 0.2720, 0.3581



11.2976, 0.3084, 0.3470



25.5111, 0.2920, 0.5711



1.1135, 0.2794, 0.5259

Inverse Universe

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



28.6262, 0.3363, 0.2557



44.8890, 0.3432, 0.2402



27.3347, 0.3806, 0.3023



10.2049, 0.3173, 0.3117



8.9484, 0.3918, 0.1932



0.3968, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 45.4089, 0.2957, 0.4159 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 45.4089, 0.2957, 0.4159 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 45.4089, 0.2957, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 45.4089, 0.2957, 0.4159.



This preview shows how white text looks on a background with the Yxy color 45.4089, 0.2957, 0.4159.

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

45.4089, 0.2957, 0.4159

Protanopia

45.0854, 0.3648, 0.3920

Deuteranopia

44.9286, 0.3712, 0.3642



Tritanopia

45.3466, 0.2623, 0.3081

Trichromacy



Original Color

45.4089, 0.2957, 0.4159



Protanomaly

44.5261, 0.3365, 0.4008



Deuteranomaly

44.2308, 0.3401, 0.3826



Tritanomaly

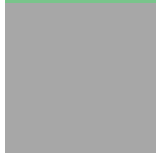
45.2240, 0.2739, 0.3448

Monochromacy



Original Color

45.4089, 0.2957, 0.4159



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.7591, 0.3053, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4089, 0.2957, 0.4159 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(121, 196, 139)` looks like.

```
.text, #text, p{  
    color:rgb(121, 196, 139)  
}
```

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(121, 196, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 196, 139) }
```

Border

The CSS property to change the border of an element to Yxy 45.4089, 0.2957, 0.4159 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(121, 196, 139) }
```

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

```
.border{ border-color:rgb(121, 196, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 196, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 196, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 196, 139); box-shadow:4px 4px 4px 4px rgb(121, 196, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4089, 0.2957, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 196, 139) }
```

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

```
.background{ background-color: rgb(121,  
196, 139) }
```

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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