

Converting Colors

$Y_{xy}(59.3702, 0.2902, 0.4021)$

Have a look what the booklet for
Yxy(59.3702, 0.2902, 0.4021)
contains.

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Color

Yxy(59.2579, 0.2905, 0.4023)

Conversions

Conversions Part 1

Format	Color
Hex	89DCA6
RGB	137, 220, 166
RGB Percent	54%, 86%, 65%
CMY	0.4628, 0.1372, 0.3491
CMYK	0.38, 0.00, 0.25, 0.14
HSL	141°, 54%, 70%
HSV	141°, 38%, 86%
XYZ	42.7900, 59.2579, 45.2499
YIQ	189.0270, -32.1340, -34.3900

Conversions

Conversions Part 2

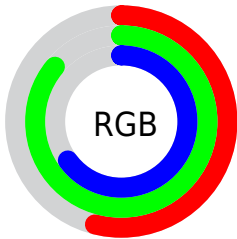
Format	Color
RYB	137, 199, 220
Decimal	9034918
CIELab	81.43, -36.76, 18.74
CIElCh	81, 41.260, 152.990
Yxy	59.2579, 0.2905, 0.4023
Android (android.graphics.Color)	4287224998 (0xFF89DCA6)
YUV	189.0270, -11.3523, -45.6277
Hunter-Lab	76.9792, -35.4916, 19.0336

Details

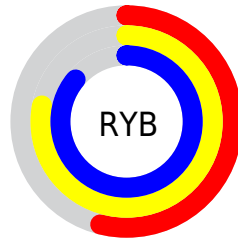
The Yxy color **59.2579, 0.2905, 0.4023** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.8680, 0.3453, 0.2659**, and the grayscale version is **50.9843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0779, 0.2943, 0.3661**, and **29.6048, 0.2837, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **57.0904, 0.2859, 0.4262**, and if you desaturate by 10%, it is **61.8678, 0.2959, 0.3801**.

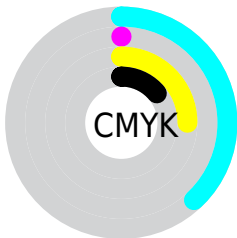
Distribution



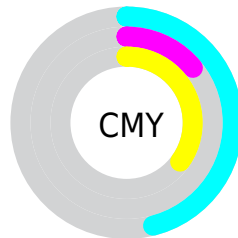
- Red (54%)
- Green (86%)
- Blue (65%)



- Red (54%)
- Yellow (78%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (25%)
- Black (14%)




- Cyan (46%)
- Magenta (14%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2579, 0.2905, 0.4023 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 59.2579, 0.2905, 0.4023 by changing the saturation by 10% instead.

 59.2579, 0.2905,
0.4023

 59.2579, 0.2905,
0.4023

421.8570, 0.3020,
0.3654

 42.8208, 0.2875,
0.4116


 103.7524, 0.2948,
0.3888

 29.7445, 0.2836,
0.4235


 132.5786, 0.2964,
0.3838

 19.6447, 0.2783,
0.4393


 166.3032, 0.2977,
0.3796

 12.1371, 0.2708,
0.4614

205.3106, 0.2988,
0.3759

 6.8371, 0.2592,
0.4943

249.9854, 0.2998,
0.3727

 3.3604, 0.2396,
0.5474

300.7117, 0.3006,

 1.3227, 0.1802,

0.3700

0.7797

357.8741, 0.3014,
0.3676

0.1587, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

59.2579, 0.2905,
0.4023

59.2579, 0.2905,
0.4023

57.0904, 0.2859,
0.4262

61.8678, 0.2959,
0.3801

55.3329, 0.2825,
0.4512


64.9359, 0.3018,
0.3598


53.9602, 0.2806,
0.4766


68.4860, 0.3079,
0.3417

52.9408, 0.2804,
0.5014

72.5382, 0.3141,
0.3255

 52.2383, 0.2820,
0.5244

 77.1112, 0.3202,
0.3113

 51.8027, 0.2851,
0.5448

 79.4713, 0.3164,
0.2979

 51.7236, 0.2858,
0.5490

 79.6702, 0.3143,
0.2950

Harmonies

Analogous

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



59.2579, 0.3428, 0.4254



59.2579, 0.2905, 0.4023



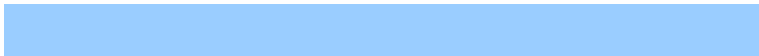
59.2579, 0.2465, 0.3535

Triad

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



59.2579, 0.2905, 0.4023



59.2579, 0.2373, 0.2458



59.2579, 0.4138, 0.3433

Complementary

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



59.2579, 0.2905, 0.4023



36.8680, 0.3453, 0.2659

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.



59.2579, 0.3807, 0.3025



59.2579, 0.2905, 0.4023



59.2579, 0.2764, 0.2487

Square

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



59.2579, 0.2905, 0.4023



59.2579, 0.2181, 0.2631



59.2579, 0.3288, 0.2690



59.2579, 0.4163, 0.3842

Rectangle

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



59.2579, 0.2905, 0.4023



59.2579, 0.2272, 0.3176



59.2579, 0.3288, 0.2690



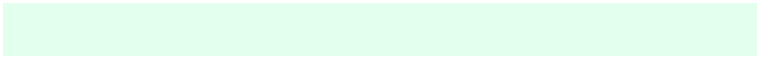
59.2579, 0.4058, 0.3293

Sweetspot

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



59.2604, 0.2905, 0.4023



93.9423, 0.3058, 0.3475



64.2463, 0.3474, 0.4297



19.9605, 0.3050, 0.3500



0.0000, 0.0000, 0.0000



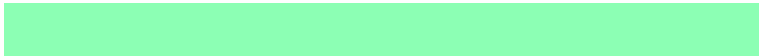
21.4041, 0.3127, 0.3290

Same Dimension

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



59.2604, 0.2905, 0.4023



80.4257, 0.2869, 0.4204



60.9724, 0.2677, 0.3468



14.6810, 0.3069, 0.3446



30.3729, 0.2851, 0.5462



1.9837, 0.2758, 0.5128

Inverse Universe

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



36.8680, 0.3453, 0.2659



44.9918, 0.3544, 0.2535



35.3344, 0.3894, 0.3125



13.1936, 0.3191, 0.3139



10.1186, 0.4330, 0.2159



0.6716, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 59.2579, 0.2905, 0.4023 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 59.2579, 0.2905, 0.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

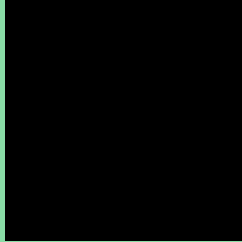
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.2579, 0.2905, 0.4023

Background



This preview shows how black text looks on a background with the Yxy color 59.2579, 0.2905, 0.4023.



This preview shows how white text looks on a background with the Yxy color 59.2579, 0.2905, 0.4023.

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

59.2579, 0.2905, 0.4023

Protanopia

58.6547, 0.3572, 0.3809

Deuteranopia

58.5511, 0.3608, 0.3539



Tritanopia

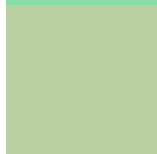
59.3234, 0.2618, 0.3079

Trichromacy



Original Color

59.2579, 0.2905, 0.4023



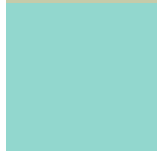
Protanomaly

58.2146, 0.3304, 0.3894



Deuteranomaly

57.4845, 0.3320, 0.3696



Tritanomaly

59.1681, 0.2721, 0.3405

Monochromacy



Original Color

59.2579, 0.2905, 0.4023



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.1908, 0.3031, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2579, 0.2905, 0.4023 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(137, 220, 166)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 166)  
}
```

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(137, 220, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 166) }
```

Border

The CSS property to change the border of an element to Yxy 59.2579, 0.2905, 0.4023 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(137, 220, 166) }
```

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

```
.border{ border-color:rgb(137, 220, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 220, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 166);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2579, 0.2905, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 166) }
```

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

```
.background{ background-color: rgb(137,  
220, 166) }
```

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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