

Converting Colors

Yxy(59.6336, 0.3074, 0.4310)

Have a look what the booklet for
Yxy(59.6336, 0.3074, 0.4310)
contains.

Yxy(59.7770, 0.3079, 0.4316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.7770, 0.3079, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	91DD91
RGB	145, 221, 145
RGB Percent	57%, 87%, 57%
CMY	0.4314, 0.1333, 0.4314
CMYK	0.34, 0.00, 0.34, 0.13
HSL	120°, 53%, 72%
HSV	120°, 34%, 87%
XYZ	42.6444, 59.7770, 36.0795
YIQ	189.6120, -20.9000, -39.7480

Conversions

Conversions Part 2

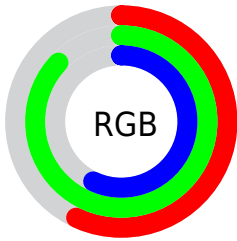
Format	Color
RYB	145, 221, 221
Decimal	9559441
CIELab	81.72, -38.42, 30.08
CIELCh	82, 48.792, 141.940
Yxy	59.7770, 0.3079, 0.4316
Android (android.graphics.Color)	4287749521 (0xFF91DD91)
YUV	189.6120, -21.9937, -39.1247
Hunter-Lab	77.3156, -36.8482, 26.4531

Details

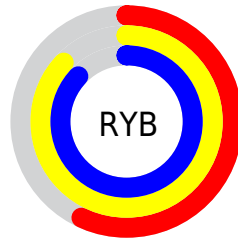
The Yxy color **59.7770, 0.3079, 0.4316** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.8443, 0.3167, 0.2441**, and the grayscale version is **51.3969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0610, 0.3110, 0.3904**, and **29.9426, 0.3042, 0.4602** is the 20% darker color. If you saturate the color by 10%, you get **57.3465, 0.3062, 0.4673**, and if you desaturate by 10%, it is **62.7356, 0.3095, 0.3979**.

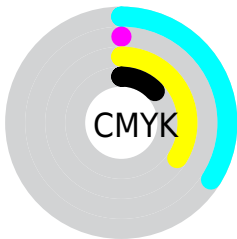
Distribution



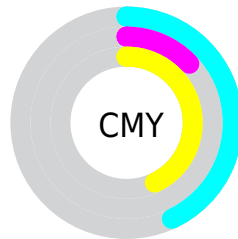
- Red (57%)
- Green (87%)
- Blue (57%)



- Red (57%)
- Yellow (87%)
- Blue (87%)



- Cyan (34%)
- Magenta (0%)
- Yellow (34%)
- Black (13%)



- Cyan (43%)
- Magenta (13%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7770, 0.3079, 0.4316 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 59.7770, 0.3079, 0.4316 by changing the saturation by 10% instead.


 59.7770, 0.3079,
0.4316


 59.7770, 0.3079,
0.4316


423.7753, 0.3118,
0.3797

 43.2389, 0.3064,
0.4446


 104.5061, 0.3097,
0.4126

 30.0726, 0.3043,
0.4614


 133.4659, 0.3103,
0.4055

 19.8937, 0.3010,
0.4836


167.3351, 0.3107,
0.3995

 12.3178, 0.2955,
0.5143

206.4980, 0.3110,
0.3944

 6.9605, 0.2857,
0.5589

251.3391, 0.3113,
0.3900

 3.4374, 0.2691,
0.6357

302.2428, 0.3115,

 1.3641, 0.1778,

0.3861

0.8222

359.5934, 0.3117,
0.3827

0.1901, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

59.7770, 0.3079,
0.4316

59.7770, 0.3079,
0.4316

57.3465, 0.3062,
0.4673

62.7356, 0.3095,
0.3979

55.4062, 0.3045,
0.5031

66.2428, 0.3109,
0.3671

53.9249, 0.3030,
0.5364

70.3271, 0.3122,
0.3399

52.8649, 0.3017,
0.5645

75.0129, 0.3133,
0.3161

■ 52.1823, 0.3007,
0.5849

■ 80.1953, 0.3143,
0.2960

■ 51.8239, 0.3002,
0.5964

■ 51.7153, 0.3000,
0.6000

Harmonies

Analogous

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



59.7770, 0.3686, 0.4428



59.7770, 0.3079, 0.4316



59.7770, 0.2516, 0.3815

Triad

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



59.7770, 0.3079, 0.4316



59.7770, 0.2142, 0.2367



59.7770, 0.4214, 0.3265

Complementary

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



59.7770, 0.3079, 0.4316



40.8443, 0.3167, 0.2441

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.



59.7770, 0.3715, 0.2822



59.7770, 0.3079, 0.4316



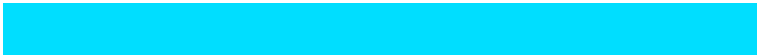
59.7770, 0.2509, 0.2324

Square

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



59.7770, 0.3079, 0.4316



59.7770, 0.2015, 0.2647



59.7770, 0.3074, 0.2489



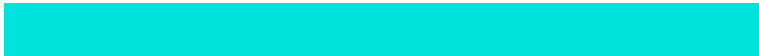
59.7770, 0.4378, 0.3745

Rectangle

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



59.7770, 0.3079, 0.4316



59.7770, 0.2239, 0.3379



59.7770, 0.3074, 0.2489



59.7770, 0.4078, 0.3109

Sweetspot

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



59.7795, 0.3079, 0.4316



93.9456, 0.3115, 0.3549



69.1325, 0.3643, 0.4143



19.9404, 0.3113, 0.3589



0.0000, 0.0000, 0.0000



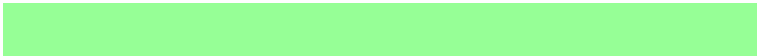
21.4041, 0.3127, 0.3290

Same Dimension

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



59.7795, 0.3079, 0.4316



80.2635, 0.3067, 0.4562



61.1541, 0.2855, 0.3789



14.6063, 0.3116, 0.3532



30.0408, 0.3000, 0.6000



1.9462, 0.3000, 0.6000

Inverse Universe

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



40.8443, 0.3167, 0.2441



50.4362, 0.3175, 0.2279



39.0428, 0.3531, 0.2843



13.2749, 0.3138, 0.3060



11.9622, 0.3209, 0.1542



0.7750, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 59.7770, 0.3079, 0.4316 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 59.7770, 0.3079, 0.4316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

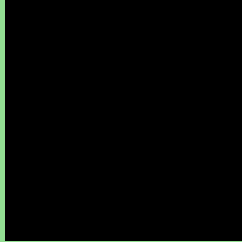
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7770, 0.3079, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 59.7770, 0.3079, 0.4316.



This preview shows how white text looks on a background with the Yxy color 59.7770, 0.3079, 0.4316.

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

59.7770, 0.3079, 0.4316

Protanopia

59.1073, 0.3753, 0.4045

Deuteranopia

58.9951, 0.3840, 0.3767



Tritanopia

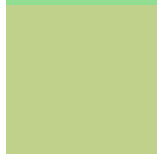
59.7670, 0.2681, 0.3081

Trichromacy



Original Color

59.7770, 0.3079, 0.4316



Protanomaly

58.7008, 0.3482, 0.4148



Deuteranomaly

58.1930, 0.3531, 0.3958



Tritanomaly

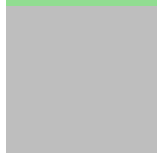
59.6467, 0.2823, 0.3507

Monochromacy



Original Color

59.7770, 0.3079, 0.4316



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.8280, 0.3111, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7770, 0.3079, 0.4316 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(145, 221, 145)` looks like.

```
.text, #text, p{  
    color:rgb(145, 221, 145)  
}
```

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(145, 221, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 221, 145) }
```

Border

The CSS property to change the border of an element to Yxy 59.7770, 0.3079, 0.4316 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(145, 221, 145) }
```

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

```
.border{ border-color:rgb(145, 221, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 221, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 221, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 221, 145);  
box-shadow:4px 4px 4px 4px rgb(145, 221,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7770, 0.3079, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 221, 145) }
```

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

```
.background{ background-color: rgb(145,  
221, 145) }
```

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