

Converting Colors

$Yxy(68.8920, 0.3088, 0.4281)$

Have a look what the booklet for
Yxy(68.8920, 0.3088, 0.4281)
contains.

Yxy(69.0861, 0.3093, 0.4290)	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(69.0861, 0.3093, 0.4290)

Conversions

Conversions Part 1

Format	Color
Hex	9EEB9C
RGB	158, 235, 156
RGB Percent	62%, 92%, 61%
CMY	0.3803, 0.0784, 0.3884
CMYK	0.33, 0.00, 0.34, 0.08
HSL	118°, 66%, 77%
HSV	118°, 34%, 92%
XYZ	49.8096, 69.0861, 42.1441
YIQ	202.9710, -20.5330, -40.8930

Conversions

Conversions Part 2

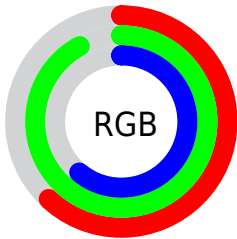
Format	Color
RYB	156, 235, 233
Decimal	10415004
CIELab	86.55, -38.90, 31.05
CIElCh	87, 49.770, 141.401
Yxy	69.0861, 0.3093, 0.4290
Android (android.graphics.Color)	4288605084 (0xFF9EEB9C)
YUV	202.9710, -23.1567, -39.4396
Hunter-Lab	83.1180, -38.4880, 28.1203

Details

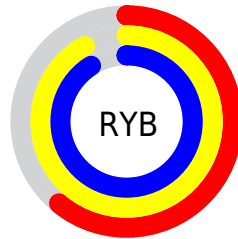
The Yxy color **69.0861, 0.3093, 0.4290** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.0770, 0.3149, 0.2451**, and the grayscale version is **59.8616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6702, 0.3130, 0.3757**, and **36.1232, 0.3060, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **66.2593, 0.3079, 0.4645**, and if you desaturate by 10%, it is **72.5050, 0.3105, 0.3955**.

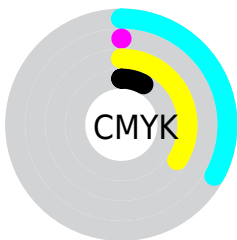
Distribution



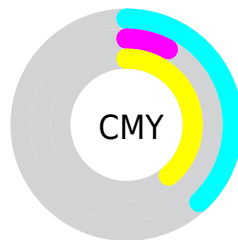
- Red (62%)
- Green (92%)
- Blue (61%)



- Red (61%)
- Yellow (92%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)




- Cyan (38%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0861, 0.3093, 0.4290 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 69.0861, 0.3093, 0.4290 by changing the saturation by 10% instead.


 69.0861, 0.3093,
0.4290


 69.0861, 0.3093,
0.4290


457.3346, 0.3125,
0.3797

 50.7818, 0.3081,
0.4410


 117.9045, 0.3108,
0.4113

 36.0350, 0.3064,
0.4562


 149.1875, 0.3112,
0.4046

 24.4612, 0.3037,
0.4760


185.5655, 0.3116,
0.3988

 15.6761, 0.2995,
0.5028

227.4229, 0.3118,
0.3939

 9.2953, 0.2920,
0.5408

275.1441, 0.3120,
0.3897

 4.9343, 0.2778,
0.5975

329.1135, 0.3122,

 2.2087, 0.2638,

0.3859

0.7362

389.7156, 0.3123,
0.3826

0.7248, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.0861, 0.3093,
0.4290

69.0861, 0.3093,
0.4290

66.2593, 0.3079,
0.4645

72.5050, 0.3105,
0.3955

63.9829, 0.3063,
0.5002

76.5376, 0.3116,
0.3650

62.2236, 0.3047,
0.5338

81.2151, 0.3124,
0.3380

60.9408, 0.3032,
0.5623

86.5641, 0.3131,
0.3144

■ 60.0880, 0.3018,
0.5833

■ 87.8989, 0.3136,
0.3097

■ 59.6093, 0.3007,
0.5956

■ 59.4584, 0.3004,
0.5997

Harmonies

Analogous

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



69.0861, 0.3683, 0.4395



69.0861, 0.3093, 0.4290



69.0861, 0.2542, 0.3811

Triad

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



69.0861, 0.3093, 0.4290



69.0861, 0.2162, 0.2394



69.0861, 0.4177, 0.3259

Complementary

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



69.0861, 0.3093, 0.4290



47.0770, 0.3149, 0.2451

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.



69.0861, 0.3689, 0.2827



69.0861, 0.3093, 0.4290



69.0861, 0.2517, 0.2347

Square

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



69.0861, 0.3093, 0.4290



69.0861, 0.2042, 0.2673



69.0861, 0.3065, 0.2504



69.0861, 0.4345, 0.3729

Rectangle

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



69.0861, 0.3093, 0.4290



69.0861, 0.2268, 0.3390



69.0861, 0.3065, 0.2504



69.0861, 0.4043, 0.3107

Sweetspot

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



69.0890, 0.3093, 0.4290



94.0553, 0.3119, 0.3549



77.9831, 0.3642, 0.4103



19.9667, 0.3118, 0.3588



0.0000, 0.0000, 0.0000



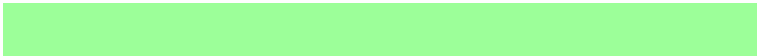
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0890, 0.3093, 0.4290



80.8535, 0.3084, 0.4521



70.3265, 0.2874, 0.3812



16.8808, 0.3120, 0.3533



33.0985, 0.3006, 0.5995



2.6056, 0.3021, 0.5983

Inverse Universe

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



47.0770, 0.3149, 0.2451



50.7622, 0.3151, 0.2295



45.5096, 0.3496, 0.2824



15.2926, 0.3134, 0.3058



12.6076, 0.3144, 0.1506



0.9963, 0.3154, 0.1511

Previews

White Background



This preview shows how the Yxy color 69.0861, 0.3093, 0.4290 looks on a white background.

Color Contrast Check

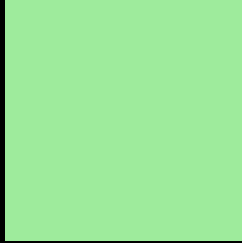
Large Text (above 18pt) WCAG AA × Fail

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 69.0861, 0.3093, 0.4290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

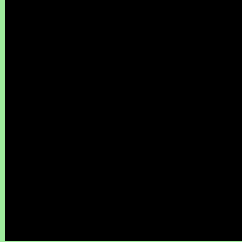
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0861, 0.3093, 0.4290

Background



This preview shows how black text looks on a background with the Yxy color 69.0861, 0.3093, 0.4290.



This preview shows how white text looks on a background with the Yxy color 69.0861, 0.3093, 0.4290.

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

69.0861, 0.3093, 0.4290

Protanopia

68.5735, 0.3736, 0.4034

Deuteranopia

68.3051, 0.3836, 0.3759



Tritanopia

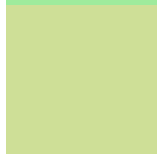
68.7208, 0.2697, 0.3082

Trichromacy



Original Color

69.0861, 0.3093, 0.4290



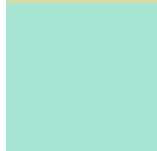
Protanomaly

68.1315, 0.3481, 0.4130



Deuteranomaly

67.2238, 0.3538, 0.3939



Tritanomaly

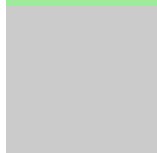
68.5148, 0.2838, 0.3494

Monochromacy



Original Color

69.0861, 0.3093, 0.4290



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.7108, 0.3118, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0861, 0.3093, 0.4290 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(158, 235, 156)` looks like.

```
.text, #text, p{  
    color:rgb(158, 235, 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(158, 235, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 235, 156) }
```

Border

The CSS property to change the border of an element to Yxy 69.0861, 0.3093, 0.4290 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(158, 235, 156) }
```

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

```
.border{ border-color:rgb(158, 235, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 235, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 235, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 235, 156);  
box-shadow:4px 4px 4px 4px rgb(158, 235,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0861, 0.3093, 0.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 235, 156) }
```

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

```
.background{ background-color: rgb(158,  
235, 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