

Converting Colors

$Yxy(67.1408, 0.2974, 0.3916)$

Have a look what the booklet for
Yxy(67.1408, 0.2974, 0.3916)
contains.

Yxy(67.4660, 0.2975, 0.3918)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.4660, 0.2975, 0.3918)

Conversions

Conversions Part 1

Format	Color
Hex	A1E6B4
RGB	161, 230, 180
RGB Percent	63%, 90%, 71%
CMY	0.3687, 0.0980, 0.2941
CMYK	0.30, 0.00, 0.22, 0.10
HSL	137°, 58%, 77%
HSV	137°, 30%, 90%
XYZ	51.2280, 67.4660, 53.5010
YIQ	203.6690, -25.0740, -30.1780

Conversions

Conversions Part 2

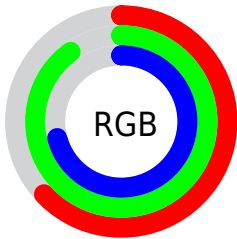
Format	Color
RYB	161, 215, 230
Decimal	10610356
CIELab	85.74, -31.62, 17.59
CIElCh	86, 36.187, 150.915
Yxy	67.4660, 0.2975, 0.3918
Android (android.graphics.Color)	4288800436 (0xFFA1E6B4)
YUV	203.6690, -11.6688, -37.4207
Hunter-Lab	82.1377, -32.4133, 18.8774

Details

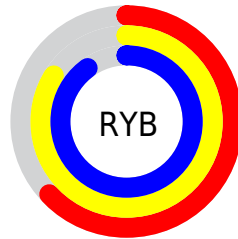
The Yxy color **67.4660, 0.2975, 0.3918** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.0061, 0.3325, 0.2736**, and the grayscale version is **60.2480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3278, 0.3003, 0.3486**, and **34.9302, 0.2929, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **64.6567, 0.2931, 0.4172**, and if you desaturate by 10%, it is **70.8020, 0.3024, 0.3685**.

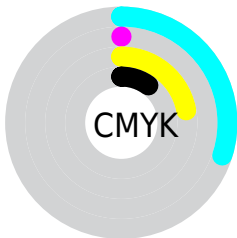
Distribution



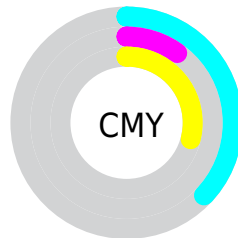
- Red (63%)
- Green (90%)
- Blue (71%)



- Red (63%)
- Yellow (84%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (22%)
- Black (10%)




- Cyan (37%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4660, 0.2975, 0.3918 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 67.4660, 0.2975, 0.3918 by changing the saturation by 10% instead.

 67.4660, 0.2975,
0.3918

 67.4660, 0.2975,
0.3918

451.6017, 0.3053,
0.3611

 49.4634, 0.2955,
0.3993


 115.5879, 0.3004,
0.3808

 34.9872, 0.2930,
0.4087


 146.4760, 0.3014,
0.3766

 23.6530, 0.2896,
0.4211


182.4281, 0.3023,
0.3731

 15.0765, 0.2848,
0.4379

223.8285, 0.3031,
0.3700

 8.8731, 0.2776,
0.4621

271.0617, 0.3037,
0.3673

 4.6585, 0.2659,
0.4995

324.5120, 0.3043,

 2.0483, 0.2457,

0.3650

0.5689

384.5639, 0.3048,
0.3629

0.6353, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.4660, 0.2975,
0.3918

67.4660, 0.2975,
0.3918

64.6567, 0.2931,
0.4172

70.8020, 0.3024,
0.3685

62.3387, 0.2894,
0.4443

74.6814, 0.3075,
0.3476

60.4853, 0.2868,
0.4722

79.1304, 0.3127,
0.3290

59.0638, 0.2856,
0.4998

84.1709, 0.3178,
0.3127

■ 58.0370, 0.2860,
0.5258

■ 85.0796, 0.3138,
0.3049

■ 57.3610, 0.2879,
0.5487

■ 56.9630, 0.2910,
0.5674

Harmonies

Analogous

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



67.4660, 0.3418, 0.4096



67.4660, 0.2975, 0.3918



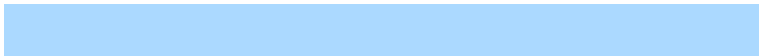
67.4660, 0.2591, 0.3529

Triad

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



67.4660, 0.2975, 0.3918



67.4660, 0.2469, 0.2587



67.4660, 0.3963, 0.3396

Complementary

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



67.4660, 0.2975, 0.3918



47.0061, 0.3325, 0.2736

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.



67.4660, 0.3672, 0.3045



67.4660, 0.2975, 0.3918



67.4660, 0.2795, 0.2596

Square

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



67.4660, 0.2975, 0.3918



67.4660, 0.2315, 0.2754



67.4660, 0.3234, 0.2761



67.4660, 0.4007, 0.3746

Rectangle

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



67.4660, 0.2975, 0.3918



67.4660, 0.2414, 0.3231



67.4660, 0.3234, 0.2761



67.4660, 0.3890, 0.3275

Sweetspot

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



67.4688, 0.2975, 0.3918



94.8793, 0.3080, 0.3457



73.1094, 0.3442, 0.4074



20.1429, 0.3073, 0.3486



0.0000, 0.0000, 0.0000



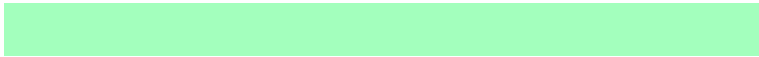
21.4041, 0.3127, 0.3290

Same Dimension

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



67.4688, 0.2975, 0.3918



82.9802, 0.2947, 0.4073



69.0235, 0.2782, 0.3484



16.1541, 0.3078, 0.3465



32.2636, 0.2902, 0.5648



2.3995, 0.2822, 0.5360

Inverse Universe

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



47.0061, 0.3325, 0.2736



53.2216, 0.3378, 0.2620



45.4814, 0.3642, 0.3107



14.5439, 0.3180, 0.3121



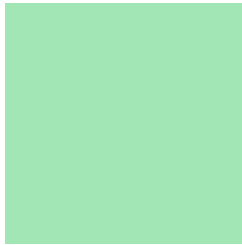
11.1172, 0.4053, 0.2006



0.8370, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 67.4660, 0.2975, 0.3918 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 67.4660, 0.2975, 0.3918 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 67.4660, 0.2975, 0.3918

Background



This preview shows how black text looks on a background with the Yxy color 67.4660, 0.2975, 0.3918.



This preview shows how white text looks on a background with the Yxy color 67.4660, 0.2975, 0.3918.

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**

67.4660, 0.2975, 0.3918

Protanopia

66.8980, 0.3526, 0.3749

Deuteranopia

66.8785, 0.3582, 0.3516



Tritanopia

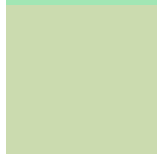
67.4181, 0.2700, 0.3081

Trichromacy



Original Color

67.4660, 0.2975, 0.3918



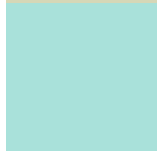
Protanomaly

66.4547, 0.3307, 0.3808



Deuteranomaly

66.3159, 0.3341, 0.3658



Tritanomaly

67.3474, 0.2802, 0.3373

Monochromacy



Original Color

67.4660, 0.2975, 0.3918



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.2200, 0.3066, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4660, 0.2975, 0.3918 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(161, 230, 180)` looks like.

```
.text, #text, p{  
    color:rgb(161, 230, 180)  
}
```

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(161, 230, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 230, 180) }
```

Border

The CSS property to change the border of an element to Yxy 67.4660, 0.2975, 0.3918 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(161, 230, 180) }
```

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

```
.border{ border-color:rgb(161, 230, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 230, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 230, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 230, 180);  
box-shadow:4px 4px 4px 4px rgb(161, 230,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4660, 0.2975, 0.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 230, 180) }
```

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

```
.background{ background-color: rgb(161,  
230, 180) }
```

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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