

Converting Colors

Yxy(67.4600, 0.2946, 0.4044)

Have a look what the booklet for
Yxy(67.4600, 0.2946, 0.4044)
contains.

Yxy(67.2144, 0.2948, 0.4046)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.2144, 0.2948, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	96E8AD
RGB	150, 232, 173
RGB Percent	59%, 91%, 68%
CMY	0.4119, 0.0902, 0.3215
CMYK	0.35, 0.00, 0.25, 0.09
HSL	137°, 64%, 75%
HSV	137°, 35%, 91%
XYZ	48.9738, 67.2144, 49.9373
YIQ	200.7560, -29.9330, -35.7330

Conversions

Conversions Part 2

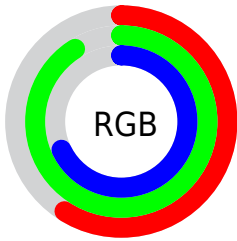
Format	Color
RYB	150, 214, 232
Decimal	9889965
CIELab	85.61, -37.14, 20.96
CIELCh	86, 42.642, 150.562
Yxy	67.2144, 0.2948, 0.4046
Android (android.graphics.Color)	4288080045 (0xFF96E8AD)
YUV	200.7560, -13.6837, -44.5130
Hunter-Lab	81.9844, -36.8447, 21.2751

Details

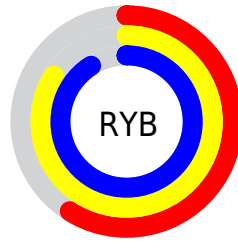
The Yxy color **67.2144, 0.2948, 0.4046** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.5606, 0.3375, 0.2640**, and the grayscale version is **58.3477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2990, 0.2976, 0.3566**, and **34.8935, 0.2899, 0.4261** is the 20% darker color. If you saturate the color by 10%, you get **64.6243, 0.2907, 0.4308**, and if you desaturate by 10%, it is **70.3264, 0.2995, 0.3803**.

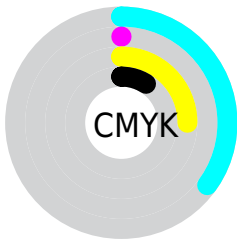
Distribution



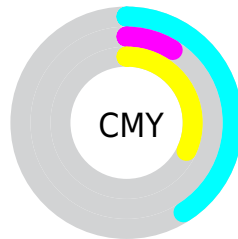
- Red (59%)
- Green (91%)
- Blue (68%)



- Red (59%)
- Yellow (84%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)





- Cyan (41%)
- Magenta (9%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2144, 0.2948, 0.4046 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 67.2144, 0.2948, 0.4046 by changing the saturation by 10% instead.


 67.2144, 0.2948,
0.4046

 67.2144, 0.2948,
0.4046


450.7075, 0.3041,
0.3673

 49.2589, 0.2924,
0.4137

 115.2276, 0.2983,
0.3912

 34.8249, 0.2893,
0.4253


 146.0540, 0.2995,
0.3861

 23.5280, 0.2850,
0.4405


181.9396, 0.3006,
0.3818

 14.9839, 0.2790,
0.4612

223.2686, 0.3015,
0.3781

 8.8081, 0.2699,
0.4912

270.4255, 0.3023,
0.3749

 4.6162, 0.2548,
0.5376

323.7947, 0.3030,

 2.0239, 0.2317,

0.3720

0.6371

383.7606, 0.3036,
0.3695

0.6213, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.2144, 0.2948,
0.4046

67.2144, 0.2948,
0.4046

64.6243, 0.2907,
0.4308

70.3264, 0.2995,
0.3803

62.5189, 0.2875,
0.4583

73.9785, 0.3047,
0.3583

60.8692, 0.2856,
0.4860

78.1981, 0.3099,
0.3386

59.6398, 0.2853,
0.5128

83.0084, 0.3151,
0.3212

■ 58.7895, 0.2865,
0.5373

■ 86.1984, 0.3138,
0.3068

■ 58.2681, 0.2892,
0.5581

■ 58.1023, 0.2906,
0.5663

Harmonies

Analogous

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



67.2144, 0.3467, 0.4248



67.2144, 0.2948, 0.4046



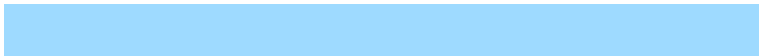
67.2144, 0.2500, 0.3577

Triad

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



67.2144, 0.2948, 0.4046



67.2144, 0.2356, 0.2471



67.2144, 0.4112, 0.3398

Complementary

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



67.2144, 0.2948, 0.4046



43.5606, 0.3375, 0.2640

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.



67.2144, 0.3764, 0.2997



67.2144, 0.2948, 0.4046



67.2144, 0.2729, 0.2484

Square

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



67.2144, 0.2948, 0.4046



67.2144, 0.2183, 0.2660



67.2144, 0.3243, 0.2673



67.2144, 0.4164, 0.3808

Rectangle

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



67.2144, 0.2948, 0.4046



67.2144, 0.2297, 0.3219



67.2144, 0.3243, 0.2673



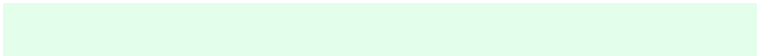
67.2144, 0.4025, 0.3260

Sweetspot

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



67.2172, 0.2948, 0.4046



93.8312, 0.3069, 0.3495



73.6402, 0.3495, 0.4221



19.9341, 0.3062, 0.3522



0.0000, 0.0000, 0.0000



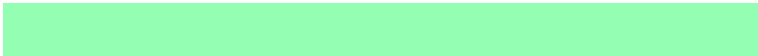
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2172, 0.2948, 0.4046



81.0208, 0.2919, 0.4224



68.9965, 0.2729, 0.3524



16.1554, 0.3078, 0.3464



32.2718, 0.2899, 0.5636



2.4003, 0.2818, 0.5346

Inverse Universe

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



43.5606, 0.3375, 0.2640



47.8395, 0.3438, 0.2515



41.8281, 0.3772, 0.3072



14.5425, 0.3181, 0.3123



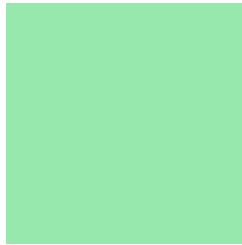
11.0917, 0.4073, 0.2017



0.8353, 0.3917, 0.1932

Previews

White Background



This preview shows how the Yxy color 67.2144, 0.2948, 0.4046 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 67.2144, 0.2948, 0.4046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

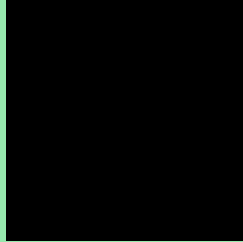
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2144, 0.2948, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 67.2144, 0.2948, 0.4046.

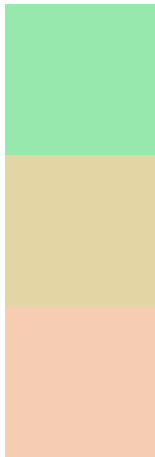


This preview shows how white text looks on a background with the Yxy color 67.2144, 0.2948, 0.4046.

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

67.2144, 0.2948, 0.4046

Protanopia

66.5997, 0.3584, 0.3839

Deuteranopia

66.5101, 0.3647, 0.3568



Tritanopia

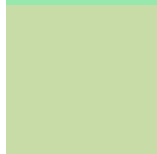
67.0187, 0.2645, 0.3078

Trichromacy



Original Color

67.2144, 0.2948, 0.4046



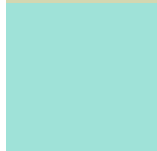
Protanomaly

66.1185, 0.3329, 0.3922



Deuteranomaly

65.6241, 0.3360, 0.3731



Tritanomaly

66.7215, 0.2755, 0.3411

Monochromacy



Original Color

67.2144, 0.2948, 0.4046



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.7936, 0.3049, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2144, 0.2948, 0.4046 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(150, 232, 173)` looks like.

```
.text, #text, p{  
    color:rgb(150, 232, 173)  
}
```

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(150, 232, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 232, 173) }
```

Border

The CSS property to change the border of an element to Yxy 67.2144, 0.2948, 0.4046 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(150, 232, 173) }
```

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

```
.border{ border-color:rgb(150, 232, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 232, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 232, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 232, 173);  
box-shadow:4px 4px 4px 4px rgb(150, 232,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2144, 0.2948, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 232, 173) }
```

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

```
.background{ background-color: rgb(150,  
232, 173) }
```

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