

Converting Colors

$Yxy(68.0942, 0.3028, 0.4225)$

Have a look what the booklet for
Yxy(68.0942, 0.3028, 0.4225)
contains.

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Color

Yxy(68.0942, 0.3028, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	98EAA1
RGB	152, 234, 161
RGB Percent	60%, 92%, 63%
CMY	0.4039, 0.0823, 0.3688
CMYK	0.35, 0.00, 0.31, 0.08
HSL	127°, 66%, 76%
HSV	127°, 35%, 92%
XYZ	48.8022, 68.0942, 44.2733
YIQ	201.1600, -25.4390, -40.0870

Conversions

Conversions Part 2

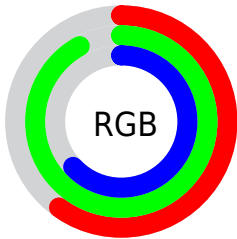
Format	Color
RYB	152, 226, 234
Decimal	10021537
CIELab	86.05, -39.51, 27.79
CIElCh	86, 48.300, 144.882
Yxy	68.0942, 0.3028, 0.4225
Android (android.graphics.Color)	4288211617 (0xFF98EAA1)
YUV	201.1600, -19.7989, -43.1133
Hunter-Lab	82.5192, -38.8430, 25.9531

Details

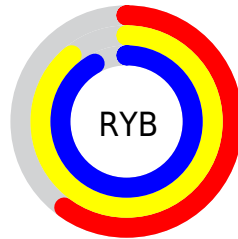
The Yxy color **68.0942, 0.3028, 0.4225** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.3888, 0.3245, 0.2507**, and the grayscale version is **58.6498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0332, 0.3065, 0.3707**, and **35.4863, 0.2982, 0.4482** is the 20% darker color. If you saturate the color by 10%, you get **65.3825, 0.3003, 0.4548**, and if you desaturate by 10%, it is **71.3795, 0.3056, 0.3922**.

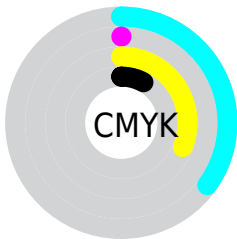
Distribution



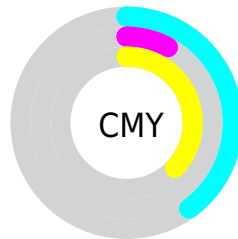
- Red (60%)
- Green (92%)
- Blue (63%)



- Red (60%)
- Yellow (89%)
- Blue (92%)



- Cyan (35%)
- Magenta (0%)
- Yellow (31%)
- Black (8%)




- Cyan (40%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0942, 0.3028, 0.4225 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 68.0942, 0.3028, 0.4225 by changing the saturation by 10% instead.


 68.0942, 0.3028,
0.4225

 68.0942, 0.3028,
0.4225


453.8297, 0.3088,
0.3762

 49.9744, 0.3010,
0.4338


 116.4869, 0.3052,
0.4058

 35.3930, 0.2986,
0.4482


 147.5286, 0.3060,
0.3995

 23.9658, 0.2951,
0.4670


183.6463, 0.3067,
0.3942

 15.3082, 0.2898,
0.4926

225.2245, 0.3073,
0.3896

 9.0360, 0.2813,
0.5291

272.6475, 0.3078,
0.3856

 4.7647, 0.2658,
0.5848


326.2998, 0.3082,

 2.1099, 0.2557,

0.3821


0.7443

386.5657, 0.3085,
0.3790

 0.6702, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.0942, 0.3028,
0.4225

 68.0942, 0.3028,
0.4225

 65.3825, 0.3003,
0.4548


 71.3795, 0.3056,
0.3922


 63.2036, 0.2982,
0.4879

 75.2598, 0.3085,
0.3647

 61.5245, 0.2967,
0.5200

 79.7656, 0.3113,
0.3402

 60.3054, 0.2962,
0.5486

 84.9228, 0.3140,
0.3187

■ 59.4998, 0.2965,
0.5719

■ 87.3295, 0.3137,
0.3088

■ 59.0517, 0.2976,
0.5880

■ 58.9223, 0.2982,
0.5934

Harmonies

Analogous

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



68.0942, 0.3608, 0.4375



68.0942, 0.3028, 0.4225



68.0942, 0.2503, 0.3728

Triad

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



68.0942, 0.3028, 0.4225



68.0942, 0.2212, 0.2397



68.0942, 0.4188, 0.3314

Complementary

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



68.0942, 0.3028, 0.4225



45.3888, 0.3245, 0.2507

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.



68.0942, 0.3741, 0.2883



68.0942, 0.3028, 0.4225



68.0942, 0.2585, 0.2375

Square

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



68.0942, 0.3028, 0.4225



68.0942, 0.2067, 0.2645



68.0942, 0.3138, 0.2551



68.0942, 0.4310, 0.3774

Rectangle

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



68.0942, 0.3028, 0.4225



68.0942, 0.2252, 0.3317



68.0942, 0.3138, 0.2551



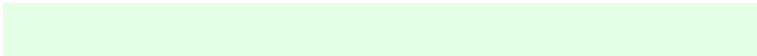
68.0942, 0.4070, 0.3164

Sweetspot

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



68.0971, 0.3028, 0.4225



93.5569, 0.3096, 0.3545



77.2540, 0.3593, 0.4181



19.8692, 0.3092, 0.3579



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.



68.0971, 0.3028, 0.4225



80.3310, 0.3009, 0.4455



69.7517, 0.2805, 0.3695



16.8889, 0.3101, 0.3506



33.1179, 0.2978, 0.5920



2.6095, 0.2929, 0.5746

Inverse Universe

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



45.3888, 0.3245, 0.2507



48.8971, 0.3274, 0.2353



43.4448, 0.3625, 0.2922



15.2837, 0.3155, 0.3083



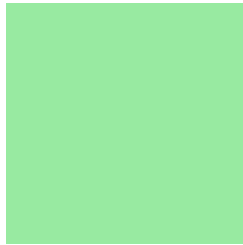
12.4120, 0.3505, 0.1704



0.9828, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 68.0942, 0.3028, 0.4225 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 68.0942, 0.3028, 0.4225 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 68.0942, 0.3028, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 68.0942, 0.3028, 0.4225.



This preview shows how white text looks on a background with the Yxy color 68.0942, 0.3028, 0.4225.

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

68.0942, 0.3028, 0.4225

Protanopia

67.3491, 0.3699, 0.3975

Deuteranopia

67.4419, 0.3777, 0.3701



Tritanopia

68.0469, 0.2663, 0.3080

Trichromacy



Original Color

68.0942, 0.3028, 0.4225



Protanomaly

66.6360, 0.3429, 0.4071



Deuteranomaly

66.2754, 0.3474, 0.3878



Tritanomaly

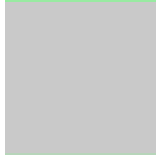
67.9723, 0.2791, 0.3471

Monochromacy



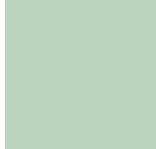
Original Color

68.0942, 0.3028, 0.4225



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.2009, 0.3090, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0942, 0.3028, 0.4225 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(152, 234, 161)` looks like.

```
.text, #text, p{  
    color:rgb(152, 234, 161)  
}
```

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(152, 234, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 234, 161) }
```

Border

The CSS property to change the border of an element to Yxy 68.0942, 0.3028, 0.4225 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(152, 234, 161) }
```

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

```
.border{ border-color:rgb(152, 234, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 234, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 234, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 234, 161);  
box-shadow:4px 4px 4px 4px rgb(152, 234,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0942, 0.3028, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 234, 161) }
```

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

```
.background{ background-color: rgb(152,  
234, 161) }
```

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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