

Converting Colors

Yxy(69.9451, 0.3044, 0.4175)

Have a look what the booklet for
Yxy(69.9451, 0.3044, 0.4175)
contains.

Yxy(70.0784, 0.3048, 0.4181)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.0784, 0.3048, 0.4181)

Conversions

Conversions Part 1

Format	Color
Hex	9FECA5
RGB	159, 236, 165
RGB Percent	62%, 93%, 65%
CMY	0.3764, 0.0745, 0.3528
CMYK	0.33, 0.00, 0.30, 0.07
HSL	125°, 67%, 77%
HSV	125°, 33%, 93%
XYZ	51.0880, 70.0784, 46.4452
YIQ	204.8830, -23.1010, -38.4050

Conversions

Conversions Part 2

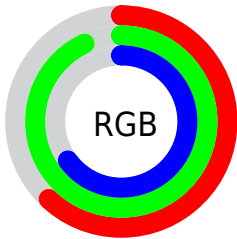
Format	Color
RYB	159, 230, 236
Decimal	10480805
CIELab	87.04, -37.58, 27.09
CIELCh	87, 46.332, 144.212
Yxy	70.0784, 0.3048, 0.4181
Android (android.graphics.Color)	4288670885 (0xFF9FECA5)
YUV	204.8830, -19.6623, -40.2394
Hunter-Lab	83.7128, -37.5631, 25.7040

Details

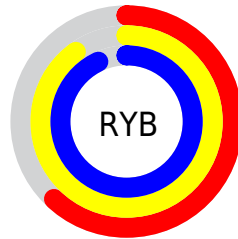
The Yxy color **70.0784, 0.3048, 0.4181** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.3437, 0.3215, 0.2537**, and the grayscale version is **61.1142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2862, 0.3085, 0.3658**, and **36.8380, 0.3014, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **67.1683, 0.3025, 0.4511**, and if you desaturate by 10%, it is **73.5898, 0.3073, 0.3873**.

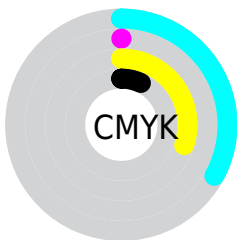
Distribution



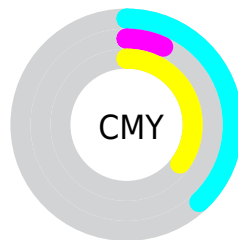
- Red (62%)
- Green (93%)
- Blue (65%)



- Red (62%)
- Yellow (90%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)




- Cyan (38%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0784, 0.3048, 0.4181 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 70.0784, 0.3048, 0.4181 by changing the saturation by 10% instead.

 70.0784, 0.3048,
0.4181

 70.0784, 0.3048,
0.4181

460.8252, 0.3097,
0.3743

 51.5905, 0.3033,
0.4287


 119.3206, 0.3068,
0.4024

 36.6787, 0.3013,
0.4422


 150.8435, 0.3075,
0.3965

 24.9588, 0.2984,
0.4597


187.4803, 0.3080,
0.3914

 16.0464, 0.2939,
0.4834

229.6153, 0.3085,
0.3870

 9.5570, 0.2867,
0.5171

277.6329, 0.3089,
0.3832

 5.1062, 0.2737,
0.5680

331.9175, 0.3092,

 2.3097, 0.2618,

0.3799

0.6906

392.8535, 0.3095,
0.3770

0.7789, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.0784, 0.3048,
0.4181

70.0784, 0.3048,
0.4181

67.1683, 0.3025,
0.4511

73.5898, 0.3073,
0.3873

64.8174, 0.3004,
0.4851

77.7241, 0.3097,
0.3595

62.9924, 0.2988,
0.5182

82.5127, 0.3121,
0.3349

61.6527, 0.2979,
0.5479

87.9824, 0.3143,
0.3135

■ 60.7516, 0.2978,
0.5720

■ 88.4720, 0.3136,
0.3107

■ 60.2334, 0.2983,
0.5886

■ 60.0372, 0.2989,
0.5960

Harmonies

Analogous

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



70.0784, 0.3600, 0.4318



70.0784, 0.3048, 0.4181



70.0784, 0.2544, 0.3718

Triad

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



70.0784, 0.3048, 0.4181



70.0784, 0.2248, 0.2441



70.0784, 0.4128, 0.3307

Complementary

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



70.0784, 0.3048, 0.4181



48.3437, 0.3215, 0.2537

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.



70.0784, 0.3699, 0.2894



70.0784, 0.3048, 0.4181



70.0784, 0.2601, 0.2414

Square

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



70.0784, 0.3048, 0.4181



70.0784, 0.2113, 0.2686



70.0784, 0.3126, 0.2578



70.0784, 0.4254, 0.3747

Rectangle

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



70.0784, 0.3048, 0.4181



70.0784, 0.2299, 0.3331



70.0784, 0.3126, 0.2578



70.0784, 0.4014, 0.3163

Sweetspot

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



70.0813, 0.3048, 0.4181



94.0579, 0.3104, 0.3529



79.4625, 0.3581, 0.4115



19.9673, 0.3100, 0.3565



0.0000, 0.0000, 0.0000



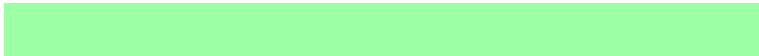
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0813, 0.3048, 0.4181



81.1994, 0.3032, 0.4395



71.6581, 0.2838, 0.3696



16.8813, 0.3105, 0.3514



33.1002, 0.2986, 0.5948



2.6058, 0.2949, 0.5816

Inverse Universe

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



48.3437, 0.3215, 0.2537



51.6151, 0.3236, 0.2390



46.4541, 0.3555, 0.2920



15.2922, 0.3150, 0.3076



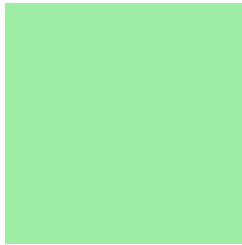
12.6155, 0.3416, 0.1655



0.9967, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 70.0784, 0.3048, 0.4181 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 70.0784, 0.3048, 0.4181 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 70.0784, 0.3048, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 70.0784, 0.3048, 0.4181.

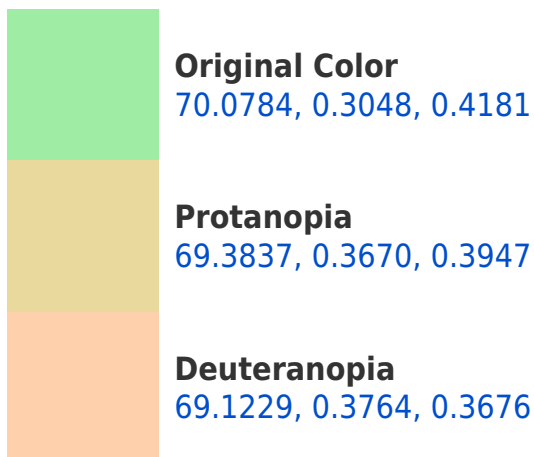


This preview shows how white text looks on a background with the Yxy color 70.0784, 0.3048, 0.4181.

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





Tritanopia

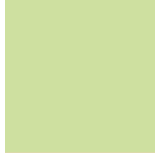
69.9230, 0.2689, 0.3083

Trichromacy



Original Color

70.0784, 0.3048, 0.4181



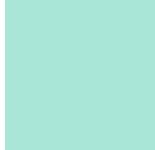
Protanomaly

68.9712, 0.3420, 0.4035



Deuteranomaly

68.0674, 0.3473, 0.3847



Tritanomaly

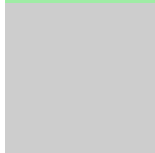
69.9349, 0.2823, 0.3468

Monochromacy



Original Color

70.0784, 0.3048, 0.4181



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.5208, 0.3098, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0784, 0.3048, 0.4181 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(159, 236, 165)` looks like.

```
.text, #text, p{  
    color:rgb(159, 236, 165)  
}
```

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(159, 236, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 236, 165) }
```

Border

The CSS property to change the border of an element to Yxy 70.0784, 0.3048, 0.4181 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(159, 236, 165) }
```

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

```
.border{ border-color:rgb(159, 236, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 236, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 236, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 236, 165);  
box-shadow:4px 4px 4px 4px rgb(159, 236,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0784, 0.3048, 0.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 236, 165) }
```

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

```
.background{ background-color: rgb(159,  
236, 165) }
```

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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