

Converting Colors

$Yxy(67.8154, 0.3115, 0.4227)$

Have a look what the booklet for
Yxy(67.8154, 0.3115, 0.4227)
contains.

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Color

Yxy(67.9684, 0.3115, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	A3E89E
RGB	163, 232, 158
RGB Percent	64%, 91%, 62%
CMY	0.3610, 0.0901, 0.3804
CMYK	0.30, 0.00, 0.32, 0.09
HSL	116°, 62%, 76%
HSV	116°, 32%, 91%
XYZ	50.1235, 67.9684, 42.8182
YIQ	202.9330, -17.3700, -37.6420

Conversions

Conversions Part 2

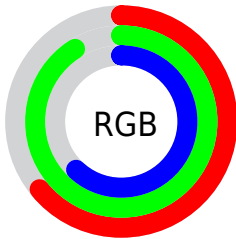
Format	Color
RYB	158, 232, 227
Decimal	10741918
CIELab	85.99, -35.66, 29.32
CIELCh	86, 46.162, 140.571
Yxy	67.9684, 0.3115, 0.4224
Android (android.graphics.Color)	4288931998 (0xFFA3E89E)
YUV	202.9330, -22.1520, -35.0212
Hunter-Lab	82.4429, -35.7511, 26.9168

Details

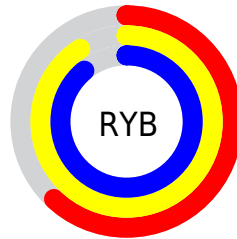
The Yxy color **67.9684, 0.3115, 0.4224** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.6158, 0.3121, 0.2488**, and the grayscale version is **59.8209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3842, 0.3143, 0.3731**, and **35.3425, 0.3095, 0.4477** is the 20% darker color. If you saturate the color by 10%, you get **65.1545, 0.3106, 0.4572**, and if you desaturate by 10%, it is **71.3299, 0.3121, 0.3897**.

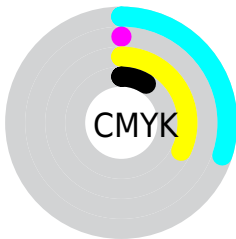
Distribution



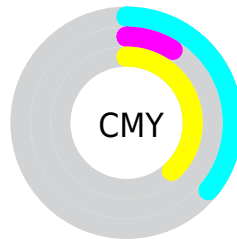
- Red (64%)
- Green (91%)
- Blue (62%)



- Red (62%)
- Yellow (91%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (32%)
- Black (9%)





- Cyan (36%)
- Magenta (9%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9684, 0.3115, 0.4224 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 67.9684, 0.3115, 0.4224 by changing the saturation by 10% instead.


 67.9684, 0.3115,
0.4224


 67.9684, 0.3115,
0.4224


453.3840, 0.3134,
0.3763

 49.8720, 0.3107,
0.4336


 116.3069, 0.3125,
0.4059

 35.3117, 0.3094,
0.4478


 147.3179, 0.3128,
0.3996

 23.9031, 0.3074,
0.4664


183.4025, 0.3130,
0.3943

 15.2618, 0.3040,
0.4915

224.9451, 0.3131,
0.3897

 9.0033, 0.2979,
0.5272

272.3302, 0.3132,
0.3857

 4.7433, 0.2859,
0.5809


325.9421, 0.3133,

 2.0975, 0.2791,


0.3822


0.7209


386.1653, 0.3134,
0.3791


 0.6632, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.9684, 0.3115,
0.4224


 67.9684, 0.3115,
0.4224

 65.1545, 0.3106,
0.4572

 71.3299, 0.3121,
0.3897


 62.8511, 0.3093,
0.4927

 75.2568, 0.3125,
0.3600

 61.0301, 0.3078,
0.5265

 79.7764, 0.3127,
0.3336

 59.6572, 0.3060,
0.5560

 84.9120, 0.3127,
0.3106

■ 58.6933, 0.3041,
0.5787

■ 86.2020, 0.3138,
0.3068

■ 58.0927, 0.3022,
0.5930

■ 57.8282, 0.3011,
0.5991

Harmonies

Analogous

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



67.9684, 0.3666, 0.4317



67.9684, 0.3115, 0.4224



67.9684, 0.2594, 0.3789

Triad

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



67.9684, 0.3115, 0.4224



67.9684, 0.2214, 0.2454



67.9684, 0.4097, 0.3253

Complementary

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



67.9684, 0.3115, 0.4224



46.6158, 0.3121, 0.2488

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.



67.9684, 0.3637, 0.2847



67.9684, 0.3115, 0.4224



67.9684, 0.2544, 0.2401

Square

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



67.9684, 0.3115, 0.4224



67.9684, 0.2107, 0.2727



67.9684, 0.3056, 0.2544



67.9684, 0.4264, 0.3696

Rectangle

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



67.9684, 0.3115, 0.4224



67.9684, 0.2332, 0.3402



67.9684, 0.3056, 0.2544



67.9684, 0.3969, 0.3110

Sweetspot

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



67.9713, 0.3115, 0.4224



94.2289, 0.3126, 0.3549



73.9358, 0.3627, 0.4026



20.0082, 0.3125, 0.3588



0.0000, 0.0000, 0.0000



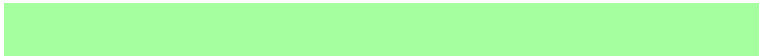
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9713, 0.3115, 0.4224



81.9481, 0.3110, 0.4441



68.6566, 0.2907, 0.3828



16.1350, 0.3126, 0.3532



32.1180, 0.3015, 0.5988



2.3897, 0.3057, 0.5955

Inverse Universe

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



46.6158, 0.3121, 0.2488



51.7567, 0.3118, 0.2333



45.8327, 0.3437, 0.2809



14.5635, 0.3127, 0.3058



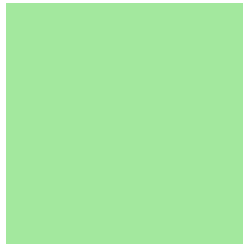
11.3994, 0.3042, 0.1449



0.8573, 0.3068, 0.1464

Previews

White Background



This preview shows how the Yxy color 67.9684, 0.3115, 0.4224 looks on a white background.

Color Contrast Check

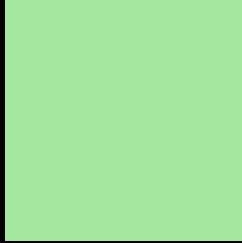
Large Text (above 18pt) WCAG AA × Fail

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 67.9684, 0.3115, 0.4224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

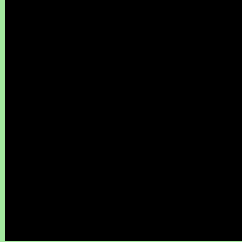
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9684, 0.3115, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 67.9684, 0.3115, 0.4224.



This preview shows how white text looks on a background with the Yxy color 67.9684, 0.3115, 0.4224.

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

67.9684, 0.3115, 0.4224

Protanopia

67.2841, 0.3713, 0.3997

Deuteranopia

67.0384, 0.3812, 0.3721



Tritanopia

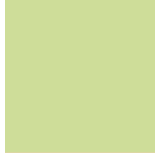
67.9395, 0.2735, 0.3094

Trichromacy



Original Color

67.9684, 0.3115, 0.4224



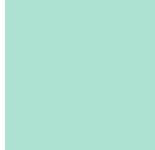
Protanomaly

67.1346, 0.3473, 0.4087



Deuteranomaly

66.4252, 0.3537, 0.3894



Tritanomaly

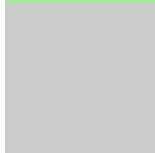
67.9301, 0.2873, 0.3481

Monochromacy



Original Color

67.9684, 0.3115, 0.4224



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.3724, 0.3119, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9684, 0.3115, 0.4224 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(163, 232, 158)` looks like.

```
.text, #text, p{  
    color:rgb(163, 232, 158)  
}
```

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(163, 232, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 232, 158) }
```

Border

The CSS property to change the border of an element to Yxy 67.9684, 0.3115, 0.4224 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(163, 232, 158) }
```

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

```
.border{ border-color:rgb(163, 232, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 232, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 232, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 232, 158);  
box-shadow:4px 4px 4px 4px rgb(163, 232,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9684, 0.3115, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 232, 158) }
```

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

```
.background{ background-color: rgb(163,  
232, 158) }
```

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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