

Converting Colors

$Yxy(66.8715, 0.3243, 0.4397)$

Have a look what the booklet for
Yxy(66.8715, 0.3243, 0.4397)
contains.

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Color

Yxy(66.8715, 0.3243, 0.4397)

Conversions

Conversions Part 1

Format	Color
Hex	A8E68E
RGB	168, 230, 142
RGB Percent	66%, 90%, 56%
CMY	0.3413, 0.0980, 0.4432
CMYK	0.27, 0.00, 0.38, 0.10
HSL	102°, 64%, 73%
HSV	102°, 38%, 90%
XYZ	49.3210, 66.8715, 35.8919
YIQ	201.4300, -8.7040, -40.5120

Conversions

Conversions Part 2

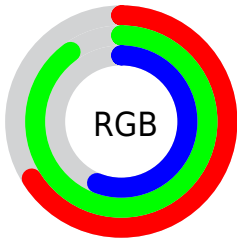
Format	Color
RYB	142, 230, 204
Decimal	11069070
CIELab	85.44, -35.45, 36.74
CIELCh	85, 51.049, 133.975
Yxy	66.8715, 0.3243, 0.4397
Android (android.graphics.Color)	4289259150 (0xFFA8E68E)
YUV	201.4300, -29.2990, -29.3181
Hunter-Lab	81.7750, -35.4475, 31.2195

Details

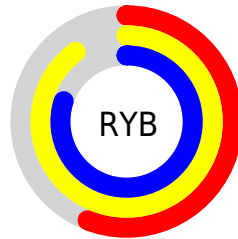
The Yxy color **66.8715, 0.3243, 0.4397** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.8971, 0.2937, 0.2278**, and the grayscale version is **58.8753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5588, 0.3273, 0.3898**, and **34.5877, 0.3250, 0.4700** is the 20% darker color. If you saturate the color by 10%, you get **64.5839, 0.3258, 0.4725**, and if you desaturate by 10%, it is **69.5293, 0.3219, 0.4077**.

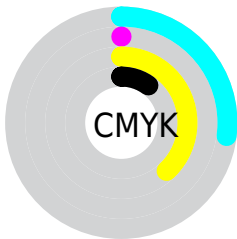
Distribution



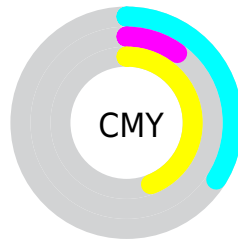
- Red (66%)
- Green (90%)
- Blue (56%)



- Red (56%)
- Yellow (90%)
- Blue (80%)



- Cyan (27%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)





- Cyan (34%)
- Magenta (10%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8715, 0.3243, 0.4397 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 66.8715, 0.3243, 0.4397 by changing the saturation by 10% instead.


 66.8715, 0.3243,
0.4397

 66.8715, 0.3243,
0.4397


449.4872, 0.3208,
0.3850

 48.9802, 0.3245,
0.4530


 114.7363, 0.3235,
0.4201

 34.6038, 0.3244,
0.4697


 145.4785, 0.3231,
0.4126

 23.3578, 0.3237,
0.4914


181.2732, 0.3227,
0.4063

 14.8579, 0.3215,
0.5205

222.5048, 0.3222,
0.4008

 8.7197, 0.3162,
0.5610

269.5576, 0.3218,
0.3961

 4.5588, 0.3062,
0.6255

322.8160, 0.3215,

 1.9908, 0.2761,

0.3919

0.7239

382.6644, 0.3211,
0.3883

0.6021, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.8715, 0.3243,
0.4397

66.8715, 0.3243,
0.4397

64.5839, 0.3258,
0.4725

69.5293, 0.3219,
0.4077

62.6408, 0.3261,
0.5046


72.5643, 0.3189,
0.3775


61.0267, 0.3251,
0.5339

75.9944, 0.3156,
0.3498


59.7213, 0.3225,
0.5585

79.8335, 0.3121,
0.3249

 58.7014, 0.3185,
0.5768

 83.9659, 0.3099,
0.3045

 57.9374, 0.3137,
0.5882

 85.0809, 0.3138,
0.3049

 57.8257, 0.3129,
0.5898

Harmonies

Analogous

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



66.8715, 0.3837, 0.4399



66.8715, 0.3243, 0.4397



66.8715, 0.2648, 0.3982

Triad

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



66.8715, 0.3243, 0.4397



66.8715, 0.2077, 0.2411



66.8715, 0.4117, 0.3139

Complementary

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



66.8715, 0.3243, 0.4397



37.8971, 0.2937, 0.2278

Split Complementary

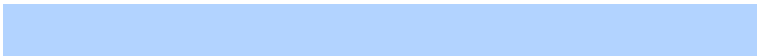
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8715, 0.3552, 0.2716



66.8715, 0.3243, 0.4397



66.8715, 0.2384, 0.2307

Square

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



66.8715, 0.3243, 0.4397



66.8715, 0.2015, 0.2759



66.8715, 0.2908, 0.2421



66.8715, 0.4383, 0.3620

Rectangle

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



66.8715, 0.3243, 0.4397



66.8715, 0.2331, 0.3556



66.8715, 0.2908, 0.2421



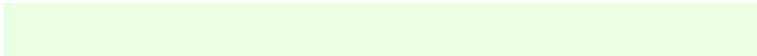
66.8715, 0.3952, 0.2988

Sweetspot

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



66.8744, 0.3243, 0.4397



94.7644, 0.3165, 0.3573



61.7756, 0.3803, 0.3981



20.1547, 0.3170, 0.3610



0.0000, 0.0000, 0.0000



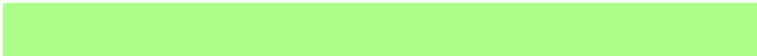
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8744, 0.3243, 0.4397



82.1531, 0.3256, 0.4659



64.8740, 0.2975, 0.4218



16.2942, 0.3160, 0.3530



32.7884, 0.3139, 0.5890



2.4696, 0.3247, 0.5804

Inverse Universe

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



37.8971, 0.2937, 0.2278



40.5861, 0.2883, 0.2063



40.9405, 0.3332, 0.2515



14.3905, 0.3091, 0.3055



7.6563, 0.2476, 0.1138



0.6132, 0.2586, 0.1198

Previews

White Background



This preview shows how the Yxy color 66.8715, 0.3243, 0.4397 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 66.8715, 0.3243, 0.4397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

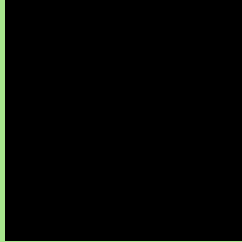
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8715, 0.3243, 0.4397

Background



This preview shows how black text looks on a background with the Yxy color 66.8715, 0.3243, 0.4397.

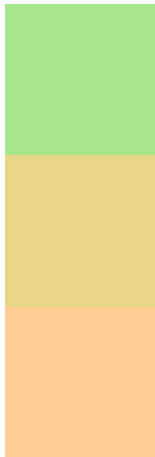


This preview shows how white text looks on a background with the Yxy color 66.8715, 0.3243, 0.4397.

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

66.8715, 0.3243, 0.4397

Protanopia

66.4936, 0.3829, 0.4144

Deuteranopia

66.3947, 0.3955, 0.3872



Tritanopia

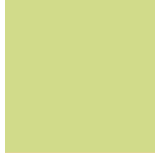
66.7864, 0.2779, 0.3094

Trichromacy



Original Color

66.8715, 0.3243, 0.4397



Protanomaly

66.0533, 0.3601, 0.4232



Deuteranomaly

65.3518, 0.3680, 0.4048



Tritanomaly

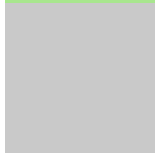
66.5046, 0.2952, 0.3543

Monochromacy



Original Color

66.8715, 0.3243, 0.4397



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.2011, 0.3175, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8715, 0.3243, 0.4397 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(168, 230, 142)` looks like.

```
.text, #text, p{  
    color:rgb(168, 230, 142)  
}
```

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(168, 230, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 230, 142) }
```

Border

The CSS property to change the border of an element to Yxy 66.8715, 0.3243, 0.4397 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(168, 230, 142) }
```

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

```
.border{ border-color:rgb(168, 230, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 230, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 230, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 230, 142);  
box-shadow:4px 4px 4px 4px rgb(168, 230,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8715, 0.3243, 0.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 230, 142) }
```

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

```
.background{ background-color: rgb(168,  
230, 142) }
```

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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