

Converting Colors

$Yxy(67.6379, 0.3322, 0.4590)$

Have a look what the booklet for
Yxy(67.6379, 0.3322, 0.4590)
contains.

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Color

Yxy(67.5966, 0.3318, 0.4586)

Conversions

Conversions Part 1

Format	Color
Hex	A8E880
RGB	168, 232, 128
RGB Percent	66%, 91%, 50%
CMY	0.3411, 0.0902, 0.4980
CMYK	0.28, 0.00, 0.45, 0.09
HSL	97°, 69%, 71%
HSV	97°, 45%, 91%
XYZ	48.9066, 67.5966, 30.8946
YIQ	201.0080, -4.7600, -45.9120

Conversions

Conversions Part 2

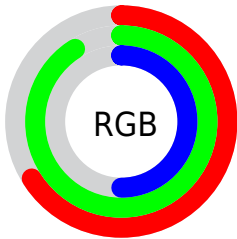
Format	Color
RYB	128, 232, 192
Decimal	11069568
CIELab	85.80, -38.15, 44.10
CIELCh	86, 58.312, 130.860
Yxy	67.5966, 0.3318, 0.4586
Android (android.graphics.Color)	4289259648 (0xFFA8E880)
YUV	201.0080, -35.9929, -28.9480
Hunter-Lab	82.2172, -37.7000, 35.2727

Details

The Yxy color **67.5966, 0.3318, 0.4586** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **32.4709, 0.2808, 0.2071**, and the grayscale version is **58.6491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9050, 0.3360, 0.4058**, and **35.0832, 0.3326, 0.4935** is the 20% darker color. If you saturate the color by 10%, you get **65.5750, 0.3337, 0.4898**, and if you desaturate by 10%, it is **69.9356, 0.3286, 0.4270**.

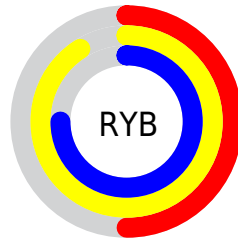
Distribution



Red (66%)

Green (91%)

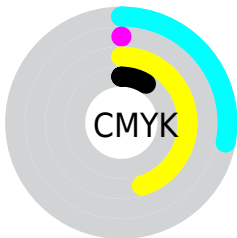
Blue (50%)



Red (50%)

Yellow (91%)

Blue (75%)

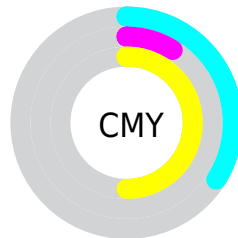


Cyan (28%)

Magenta (0%)

Yellow (45%)

Black (9%)



Cyan (34%)


Magenta (9%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5966, 0.3318, 0.4586 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 67.5966, 0.3318, 0.4586 by changing the saturation by 10% instead.


 67.5966, 0.3318,
0.4586


 67.5966, 0.3318,
0.4586


452.0654, 0.3256,
0.3947


 49.5696, 0.3323,
0.4739

 115.7749, 0.3303,
0.4358

 35.0716, 0.3325,
0.4932


 146.6949, 0.3295,
0.4271

 23.7180, 0.3317,
0.5179

 182.6815, 0.3288,
0.4197

 15.1246, 0.3290,
0.5503

224.1189, 0.3280,
0.4133

 8.9069, 0.3219,
0.5942

271.3917, 0.3274,
0.4077

 4.6805, 0.3164,
0.6796

324.8840, 0.3267,

 2.0610, 0.2620,

0.4028

0.7380

384.9805, 0.3261,
0.3985

0.6426, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.5966, 0.3318,
0.4586

67.5966, 0.3318,
0.4586

65.5750, 0.3337,
0.4898

69.9356, 0.3286,
0.4270

63.8469, 0.3341,
0.5191


72.5974, 0.3245,
0.3963

62.3985, 0.3326,
0.5444


75.5978, 0.3199,
0.3675

61.2111, 0.3293,
0.5644


78.9491, 0.3151,
0.3409

 60.2626, 0.3243,
0.5779

 82.6630, 0.3102,
0.3169

 59.8505, 0.3215,
0.5830

 85.9391, 0.3129,
0.3067

 86.1925, 0.3138,
0.3068

Harmonies

Analogous

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



67.5966, 0.3979, 0.4517



67.5966, 0.3318, 0.4586



67.5966, 0.2642, 0.4156

Triad

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



67.5966, 0.3318, 0.4586



67.5966, 0.1933, 0.2325



67.5966, 0.4199, 0.3058

Complementary

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



67.5966, 0.3318, 0.4586



32.4709, 0.2808, 0.2071

Split Complementary

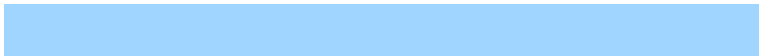
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.5966, 0.3529, 0.2604



67.5966, 0.3318, 0.4586



67.5966, 0.2243, 0.2191

Square

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



67.5966, 0.3318, 0.4586



67.5966, 0.1892, 0.2735



67.5966, 0.2804, 0.2297



67.5966, 0.4542, 0.3586

Rectangle

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



67.5966, 0.3318, 0.4586



67.5966, 0.2274, 0.3670



67.5966, 0.2804, 0.2297



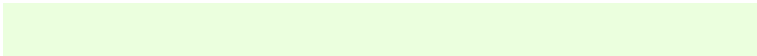
67.5966, 0.4000, 0.2895

Sweetspot

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



67.5995, 0.3318, 0.4586



94.3814, 0.3191, 0.3626



55.7164, 0.3987, 0.3990



20.0134, 0.3202, 0.3687



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.



67.5995, 0.3318, 0.4586



81.3903, 0.3337, 0.4882



64.1494, 0.3008, 0.4554



16.3581, 0.3174, 0.3529



33.2943, 0.3226, 0.5821



2.5125, 0.3340, 0.5730

Inverse Universe

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



32.4709, 0.2808, 0.2071



32.5700, 0.2716, 0.1812



37.8492, 0.3275, 0.2290



14.3238, 0.3077, 0.3054



6.5369, 0.2268, 0.1023



0.5361, 0.2404, 0.1098

Previews

White Background



This preview shows how the Yxy color 67.5966, 0.3318, 0.4586 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 67.5966, 0.3318, 0.4586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

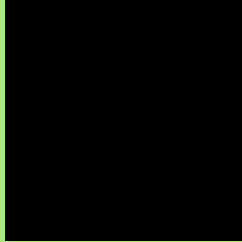
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5966, 0.3318, 0.4586

Background



This preview shows how black text looks on a background with the Yxy color 67.5966, 0.3318, 0.4586.



This preview shows how white text looks on a background with the Yxy color 67.5966, 0.3318, 0.4586.

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

67.5966, 0.3318, 0.4586

Protanopia

67.1358, 0.3942, 0.4285

Deuteranopia

66.8756, 0.4003, 0.3940



Tritanopia

67.0917, 0.2786, 0.3083

Trichromacy



Original Color

67.5966, 0.3318, 0.4586



Protanomaly

67.0170, 0.3698, 0.4397



Deuteranomaly

66.0950, 0.3735, 0.4166



Tritanomaly

66.9262, 0.2989, 0.3616

Monochromacy



Original Color

67.5966, 0.3318, 0.4586



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.9618, 0.3217, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5966, 0.3318, 0.4586 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, 232, 128)` looks like.

```
.text, #text, p{  
    color:rgb(168, 232, 128)  
}
```

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, 232, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 232, 128) }
```

Border

The CSS property to change the border of an element to Yxy 67.5966, 0.3318, 0.4586 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, 232, 128) }
```

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

```
.border{ border-color:rgb(168, 232, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 232, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 232, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 232, 128);  
box-shadow:4px 4px 4px 4px rgb(168, 232,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5966, 0.3318, 0.4586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 232, 128) }
```

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

```
.background{ background-color: rgb(168,  
232, 128) }
```

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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