

Converting Colors

$Yxy(68.6375, 0.3545, 0.4500)$

Have a look what the booklet for
Yxy(68.6375, 0.3545, 0.4500)
contains.

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Color

Yxy(68.5696, 0.3542, 0.4502)

Conversions

Conversions Part 1

Format	Color
Hex	C3E47D
RGB	195, 228, 125
RGB Percent	76%, 89%, 49%
CMY	0.2353, 0.1058, 0.5098
CMYK	0.14, 0.00, 0.45, 0.11
HSL	79°, 66%, 69%
HSV	79°, 45%, 89%
XYZ	53.9479, 68.5696, 29.7917
YIQ	206.3910, 13.3950, -39.0290

Conversions

Conversions Part 2

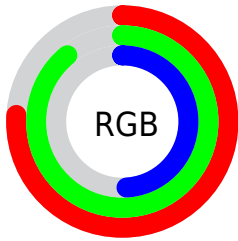
Format	Color
RYB	125, 228, 158
Decimal	12838013
CIELab	86.29, -26.92, 46.52
CIElCh	86, 53.752, 120.060
Yxy	68.5696, 0.3542, 0.4502
Android (android.graphics.Color)	4291028093 (0xFFC3E47D)
YUV	206.3910, -40.1258, -9.9899
Hunter-Lab	82.8068, -28.6206, 36.6338

Details

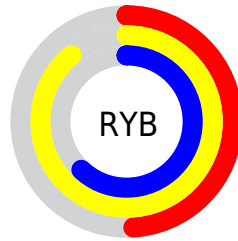
The Yxy color **68.5696, 0.3542, 0.4502** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **27.5391, 0.2535, 0.1969**, and the grayscale version is **62.2409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6573, 0.3566, 0.4041**, and **35.4751, 0.3603, 0.4805** is the 20% darker color. If you saturate the color by 10%, you get **67.1054, 0.3609, 0.4766**, and if you desaturate by 10%, it is **70.2213, 0.3461, 0.4225**.

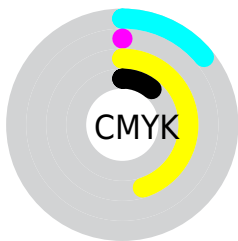
Distribution



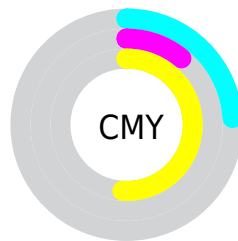
- Red (76%)
- Green (89%)
- Blue (49%)



- Red (49%)
- Yellow (89%)
- Blue (62%)



- Cyan (14%)
- Magenta (0%)
- Yellow (45%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5696, 0.3542, 0.4502 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 68.5696, 0.3542, 0.4502 by changing the saturation by 10% instead.


 68.5696, 0.3542,
0.4502


 68.5696, 0.3542,
0.4502


455.5115, 0.3372,
0.3918

 50.3613, 0.3572,
0.4638


 117.1666, 0.3489,
0.4296

 35.7005, 0.3605,
0.4806


 148.3241, 0.3467,
0.4217

 24.2030, 0.3637,
0.5018


 184.5668, 0.3447,
0.4149

 15.4843, 0.3662,
0.5290

226.2790, 0.3429,
0.4090

 9.1600, 0.3661,
0.5642

273.8452, 0.3412,
0.4039

 4.8457, 0.3705,
0.6295

327.6497, 0.3398,

 2.1570, 0.3328,

0.3994

0.6672

388.0771, 0.3384,
0.3953

0.6964, 0.0066,
0.9934

0.0000, 0.0000,
0.0000

68.5696, 0.3542,
0.4502

68.5696, 0.3542,
0.4502

67.1054, 0.3609,
0.4766

70.2213, 0.3461,
0.4225

65.8096, 0.3655,
0.5003


72.0604, 0.3370,
0.3947

64.6741, 0.3679,
0.5204


74.0984, 0.3274,
0.3675


63.6861, 0.3676,
0.5357


76.3429, 0.3177,
0.3417

 62.8298, 0.3650,
0.5461


 78.8014, 0.3082,
0.3176

 62.4522, 0.3632,
0.5499

 81.0349, 0.3031,
0.3020

 82.3318, 0.3080,
0.3024

 83.6807, 0.3129,
0.3028

 83.9717, 0.3139,
0.3029

Harmonies

Analogous

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



68.5696, 0.4102, 0.4318



68.5696, 0.3542, 0.4502



68.5696, 0.2901, 0.4267

Triad

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



68.5696, 0.3542, 0.4502



68.5696, 0.1975, 0.2508



68.5696, 0.3913, 0.2915

Complementary

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



68.5696, 0.3542, 0.4502



27.5391, 0.2535, 0.1969

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.



68.5696, 0.3252, 0.2532



68.5696, 0.3542, 0.4502



68.5696, 0.2176, 0.2289

Square

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



68.5696, 0.3542, 0.4502



68.5696, 0.2032, 0.2987



68.5696, 0.2620, 0.2308



68.5696, 0.4358, 0.3394

Rectangle

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



68.5696, 0.3542, 0.4502



68.5696, 0.2516, 0.3886



68.5696, 0.2620, 0.2308



68.5696, 0.3704, 0.2774

Sweetspot

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



68.5726, 0.3542, 0.4502



95.8040, 0.3263, 0.3646



42.2992, 0.4154, 0.3672



20.3778, 0.3284, 0.3704



0.0000, 0.0000, 0.0000



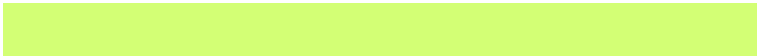
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5726, 0.3542, 0.4502



86.6394, 0.3604, 0.4744



62.8909, 0.3178, 0.4655



16.5735, 0.3218, 0.3526



36.1253, 0.3640, 0.5492



2.7189, 0.3722, 0.5426

Inverse Universe

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



27.5391, 0.2535, 0.1969



27.6356, 0.2381, 0.1677



33.8415, 0.2999, 0.2129



14.1103, 0.3030, 0.3051



4.1108, 0.1730, 0.0727



0.3523, 0.1889, 0.0814

Previews

White Background



This preview shows how the Yxy color 68.5696, 0.3542, 0.4502 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 68.5696, 0.3542, 0.4502 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 68.5696, 0.3542, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 68.5696, 0.3542, 0.4502.



This preview shows how white text looks on a background with the Yxy color 68.5696, 0.3542, 0.4502.

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

68.5696, 0.3542, 0.4502

Protanopia

68.4967, 0.3948, 0.4297

Deuteranopia

67.9922, 0.3957, 0.3910



Tritanopia

68.5502, 0.2967, 0.3102

Trichromacy



Original Color

68.5696, 0.3542, 0.4502

Protanomaly

68.1211, 0.3802, 0.4373

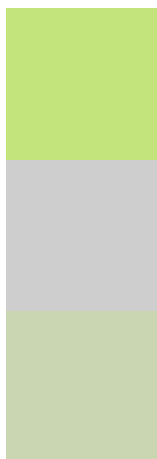
Deuteranomaly

67.7886, 0.3802, 0.4119

Tritanomaly

67.9188, 0.3185, 0.3591

Monochromacy



Original Color

68.5696, 0.3542, 0.4502

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.8240, 0.3293, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5696, 0.3542, 0.4502 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(195, 228, 125)` looks like.

```
.text, #text, p{  
    color:rgb(195, 228, 125)  
}
```

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(195, 228, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 228, 125) }
```

Border

The CSS property to change the border of an element to Yxy 68.5696, 0.3542, 0.4502 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(195, 228, 125) }
```

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

```
.border{ border-color:rgb(195, 228, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 228, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 228, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 228, 125);  
box-shadow:4px 4px 4px 4px rgb(195, 228,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5696, 0.3542, 0.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 228, 125) }
```

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

```
.background{ background-color: rgb(195,  
228, 125) }
```

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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