

Converting Colors

Yxy(67.9023, 0.3573, 0.4487)

Have a look what the booklet for
Yxy(67.9023, 0.3573, 0.4487)
contains.

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Color

Yxy(67.8537, 0.3577, 0.4485)

Conversions

Conversions Part 1

Format	Color
Hex	C6E27C
RGB	198, 226, 124
RGB Percent	78%, 89%, 49%
CMY	0.2237, 0.1137, 0.5136
CMYK	0.12, 0.00, 0.45, 0.11
HSL	77°, 64%, 69%
HSV	77°, 45%, 89%
XYZ	54.1165, 67.8537, 29.3201
YIQ	206.0000, 16.0540, -37.6580

Conversions

Conversions Part 2

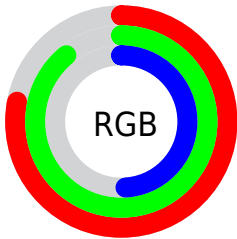
Format	Color
RYB	124, 226, 152
Decimal	13034108
CIELab	85.93, -24.95, 46.60
CIELCh	86, 52.857, 118.171
Yxy	67.8537, 0.3577, 0.4485
Android (android.graphics.Color)	4291224188 (0xFFC6E27C)
YUV	206.0000, -40.4260, -7.0160
Hunter-Lab	82.3734, -26.8848, 36.5576

Details

The Yxy color **67.8537, 0.3577, 0.4485** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **26.5953, 0.2496, 0.1958**, and the grayscale version is **61.9763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **35.3445, 0.3645, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **66.5215, 0.3652, 0.4741**, and if you desaturate by 10%, it is **69.3577, 0.3487, 0.4215**.

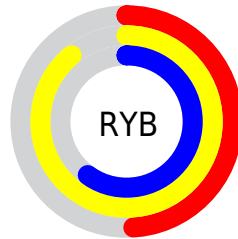
Distribution



Red (78%)

Green (89%)

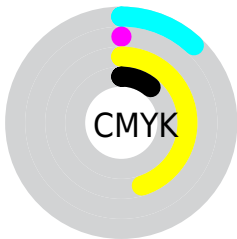
Blue (49%)



Red (49%)

Yellow (89%)

Blue (60%)

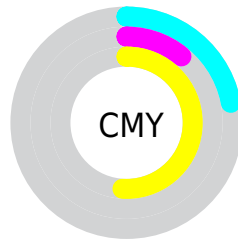


Cyan (12%)

Magenta (0%)

Yellow (45%)

Black (11%)



Cyan (22%)


Magenta (11%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8537, 0.3577, 0.4485 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 67.8537, 0.3577, 0.4485 by changing the saturation by 10% instead.


 67.8537, 0.3577,
0.4485


 67.8537, 0.3577,
0.4485

452.9775, 0.3390,
0.3910


 49.7787, 0.3612,
0.4619


 116.1428, 0.3518,
0.4283

 35.2376, 0.3649,
0.4783


 147.1258, 0.3493,
0.4205

 23.8460, 0.3688,
0.4990


 183.1801, 0.3471,
0.4138

 15.2194, 0.3721,
0.5255

224.6904, 0.3451,
0.4080

 8.9735, 0.3731,
0.5596

272.0408, 0.3434,
0.4029

 4.7239, 0.3784,
0.6216

325.6159, 0.3418,

 2.0862, 0.3428,

0.3985

0.6572

385.8000, 0.3403,
0.3945

0.6568, 0.0225,
0.9775

0.0000, 0.0000,
0.0000

67.8537, 0.3577,
0.4485

67.8537, 0.3577,
0.4485

66.5215, 0.3652,
0.4741

69.3577, 0.3487,
0.4215

65.3424, 0.3707,
0.4969


71.0331, 0.3388,
0.3941


64.3090, 0.3738,
0.5160


72.8907, 0.3285,
0.3672


63.4088, 0.3743,
0.5306

74.9379, 0.3180,
0.3416


 62.6269, 0.3724,
0.5402


 77.1818, 0.3078,
0.3175

 62.2769, 0.3709,
0.5437

 79.3270, 0.3008,
0.2997

 80.4053, 0.3049,
0.3001

 81.5209, 0.3091,
0.3005

 82.6743, 0.3133,
0.3009

Harmonies

Analogous

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



67.8537, 0.4119, 0.4285



67.8537, 0.3577, 0.4485



67.8537, 0.2944, 0.4280

Triad

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



67.8537, 0.3577, 0.4485



67.8537, 0.1984, 0.2541



67.8537, 0.3866, 0.2893

Complementary

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



67.8537, 0.3577, 0.4485



26.5953, 0.2496, 0.1958

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.



67.8537, 0.3209, 0.2521



67.8537, 0.3577, 0.4485



67.8537, 0.2167, 0.2307

Square

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



67.8537, 0.3577, 0.4485



67.8537, 0.2057, 0.3030



67.8537, 0.2593, 0.2311



67.8537, 0.4325, 0.3363

Rectangle

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



67.8537, 0.3577, 0.4485



67.8537, 0.2557, 0.3918



67.8537, 0.2593, 0.2311



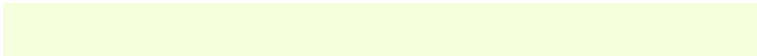
67.8537, 0.3656, 0.2755

Sweetspot

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



67.8567, 0.3577, 0.4485



96.0953, 0.3274, 0.3645



39.8310, 0.4181, 0.3612



20.4491, 0.3297, 0.3702



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.



67.8567, 0.3577, 0.4485



87.5824, 0.3647, 0.4722



62.1354, 0.3211, 0.4638



15.8302, 0.3225, 0.3525



35.5858, 0.3716, 0.5431



2.5104, 0.3793, 0.5371

Inverse Universe

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



26.5953, 0.2496, 0.1958



26.9984, 0.2334, 0.1658



32.4994, 0.2951, 0.2114



13.4248, 0.3023, 0.3051



3.7706, 0.1675, 0.0696



0.3052, 0.1837, 0.0786

Previews

White Background



This preview shows how the Yxy color 67.8537, 0.3577, 0.4485 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 67.8537, 0.3577, 0.4485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

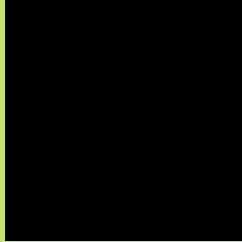
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8537, 0.3577, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 67.8537, 0.3577, 0.4485.



This preview shows how white text looks on a background with the Yxy color 67.8537, 0.3577, 0.4485.

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

67.8537, 0.3577, 0.4485

Protanopia

67.7898, 0.3951, 0.4300

Deuteranopia

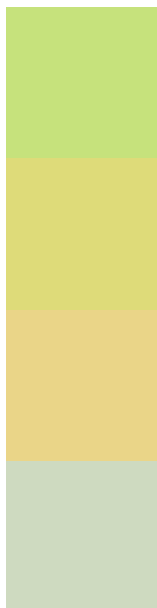
67.3858, 0.3991, 0.3940



Tritanopia

67.7115, 0.2993, 0.3102

Trichromacy



Original Color

67.8537, 0.3577, 0.4485

Protanomaly

67.5731, 0.3813, 0.4373

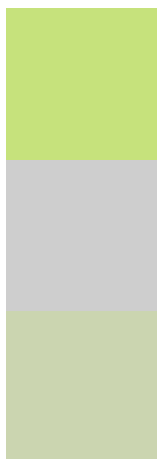
Deuteranomaly

66.8585, 0.3839, 0.4128

Tritanomaly

67.0704, 0.3215, 0.3591

Monochromacy



Original Color

67.8537, 0.3577, 0.4485

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.4196, 0.3309, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8537, 0.3577, 0.4485 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(198, 226, 124)` looks like.

```
.text, #text, p{  
    color:rgb(198, 226, 124)  
}
```

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(198, 226, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 226, 124) }
```

Border

The CSS property to change the border of an element to Yxy 67.8537, 0.3577, 0.4485 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(198, 226, 124) }
```

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

```
.border{ border-color:rgb(198, 226, 124) }
```

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

Here you see how a box with a 4 pixel rgb(198, 226, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 226, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 226, 124);  
box-shadow:4px 4px 4px 4px rgb(198, 226,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8537, 0.3577, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 226, 124) }
```

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

```
.background{ background-color: rgb(198,  
226, 124) }
```

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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