

Converting Colors

$Yxy(70.5445, 0.3685, 0.4505)$

Have a look what the booklet for
Yxy(70.5445, 0.3685, 0.4505)
contains.

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Color

Yxy(70.5445, 0.3685, 0.4505)

Conversions

Conversions Part 1

Format	Color
Hex	D2E478
RGB	210, 228, 120
RGB Percent	82%, 89%, 47%
CMY	0.1766, 0.1058, 0.5294
CMYK	0.08, 0.00, 0.47, 0.11
HSL	70°, 67%, 68%
HSV	70°, 47%, 89%
XYZ	57.7040, 70.5445, 28.3431
YIQ	210.3060, 23.9400, -37.4040

Conversions

Conversions Part 2

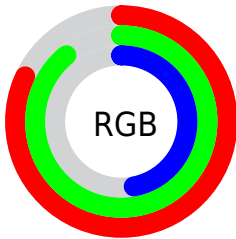
Format	Color
RYB	120, 228, 138
Decimal	13821048
CIELab	87.26, -21.72, 50.34
CIELCh	87, 54.827, 113.343
Yxy	70.5445, 0.3685, 0.4505
Android (android.graphics.Color)	4292011128 (0xFFD2E478)
YUV	210.3060, -44.5209, -0.2684
Hunter-Lab	83.9908, -24.3494, 38.7859

Details

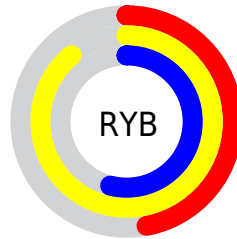
The Yxy color **70.5445, 0.3685, 0.4505** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.4426, 0.2362, 0.1850**, and the grayscale version is **64.9449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **37.1745, 0.3778, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **69.5058, 0.3775, 0.4736**, and if you desaturate by 10%, it is **71.7347, 0.3579, 0.4253**.

Distribution



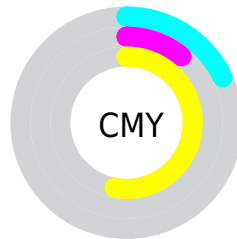
- Red (82%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (54%)



- Cyan (8%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)




- Cyan (18%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5445, 0.3685, 0.4505 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 70.5445, 0.3685, 0.4505 by changing the saturation by 10% instead.


 70.5445, 0.3685,
0.4505


 70.5445, 0.3685,
0.4505


462.4595, 0.3451,
0.3931


 51.9706, 0.3729,
0.4635


 119.9849, 0.3611,
0.4306

 36.9816, 0.3778,
0.4793


 151.6202, 0.3580,
0.4228

 25.1933, 0.3829,
0.4989


 188.3780, 0.3552,
0.4161

 16.2211, 0.3877,
0.5233

230.6428, 0.3527,
0.4103

 9.6807, 0.3906,
0.5538

278.7990, 0.3505,
0.4052

 5.1878, 0.3959,
0.6041


333.2309, 0.3485,

 2.3579, 0.3673,

0.4007

0.6327


394.3229, 0.3467,
0.3966

 0.8041, 0.2254,
0.7746


 0.0000, 0.0000,
0.0000


 70.5445, 0.3685,
0.4505


 70.5445, 0.3685,
0.4505

 69.5058, 0.3775,
0.4736


 71.7347, 0.3579,
0.4253


 68.5995, 0.3845,
0.4935

 73.0755, 0.3462,
0.3991

 67.8178, 0.3889,
0.5093


 74.5779, 0.3339,
0.3728


 67.1480, 0.3907,
0.5205

 76.2495, 0.3216,
0.3471


 66.5732, 0.3901,
0.5273

 78.0971, 0.3096,
0.3227

 66.4308, 0.3897,
0.5288

 80.0100, 0.2992,
0.3017

 80.6577, 0.3017,
0.3019

 81.3193, 0.3042,
0.3021

 81.9949, 0.3067,
0.3023

Harmonies

Analogous

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



70.5445, 0.4210, 0.4245



70.5445, 0.3685, 0.4505



70.5445, 0.3041, 0.4371

Triad

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



70.5445, 0.3685, 0.4505



70.5445, 0.1954, 0.2586



70.5445, 0.3782, 0.2814

Complementary

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



70.5445, 0.3685, 0.4505



24.4426, 0.2362, 0.1850

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.



70.5445, 0.3100, 0.2458



70.5445, 0.3685, 0.4505



70.5445, 0.2100, 0.2307

Square

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



70.5445, 0.3685, 0.4505



70.5445, 0.2071, 0.3124



70.5445, 0.2495, 0.2275



70.5445, 0.4301, 0.3281

Rectangle

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



70.5445, 0.3685, 0.4505



70.5445, 0.2632, 0.4037



70.5445, 0.2495, 0.2275



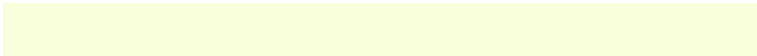
70.5445, 0.3559, 0.2680

Sweetspot

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



70.5477, 0.3685, 0.4505



96.7962, 0.3299, 0.3642



36.0300, 0.4323, 0.3502



20.6212, 0.3326, 0.3699



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.



70.5477, 0.3685, 0.4505



89.5786, 0.3775, 0.4735



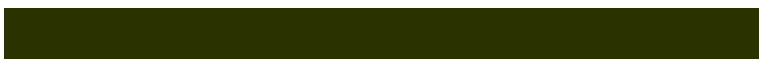
63.9198, 0.3285, 0.4682



16.6889, 0.3242, 0.3524



38.3985, 0.3902, 0.5284



2.8700, 0.3947, 0.5248

Inverse Universe

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



24.4426, 0.2362, 0.1850



23.3600, 0.2168, 0.1516



30.2427, 0.2836, 0.2020



14.0023, 0.3006, 0.3049



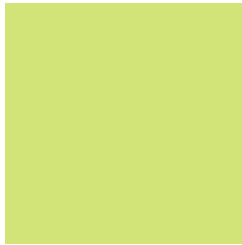
3.5080, 0.1574, 0.0641



0.2940, 0.1697, 0.0709

Previews

White Background



This preview shows how the Yxy color 70.5445, 0.3685, 0.4505 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 70.5445, 0.3685, 0.4505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

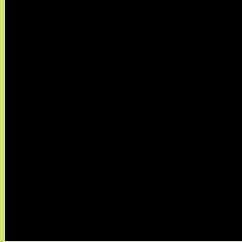
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5445, 0.3685, 0.4505

Background



This preview shows how black text looks on a background with the Yxy color 70.5445, 0.3685, 0.4505.



This preview shows how white text looks on a background with the Yxy color 70.5445, 0.3685, 0.4505.

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

70.5445, 0.3685, 0.4505

Protanopia

69.9524, 0.3986, 0.4342

Deuteranopia

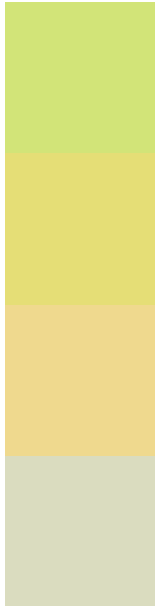
70.2151, 0.3881, 0.3868



Tritanopia

70.1150, 0.3071, 0.3107

Trichromacy



Original Color

70.5445, 0.3685, 0.4505

Protanomaly

70.2086, 0.3872, 0.4406

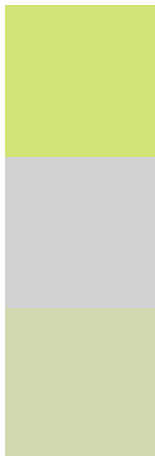
Deuteranomaly

69.9294, 0.3821, 0.4093

Tritanomaly

69.8534, 0.3309, 0.3616

Monochromacy



Original Color

70.5445, 0.3685, 0.4505

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.5017, 0.3349, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5445, 0.3685, 0.4505 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(210, 228, 120)` looks like.

```
.text, #text, p{  
    color:rgb(210, 228, 120)  
}
```

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(210, 228, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 228, 120) }
```

Border

The CSS property to change the border of an element to Yxy 70.5445, 0.3685, 0.4505 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(210, 228, 120) }
```

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

```
.border{ border-color:rgb(210, 228, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 228, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 228, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 228, 120);  
box-shadow:4px 4px 4px 4px rgb(210, 228,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5445, 0.3685, 0.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 228, 120) }
```

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

```
.background{ background-color: rgb(210,  
228, 120) }
```

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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