

Converting Colors

$Yxy(70.6460, 0.3582, 0.4354)$

Have a look what the booklet for
Yxy(70.6460, 0.3582, 0.4354)
contains.

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Color

Yxy(70.6460, 0.3582, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	D0E487
RGB	208, 228, 135
RGB Percent	82%, 89%, 53%
CMY	0.1845, 0.1058, 0.4706
CMYK	0.09, 0.00, 0.41, 0.11
HSL	73°, 63%, 71%
HSV	73°, 41%, 89%
XYZ	58.1199, 70.6460, 33.4895
YIQ	211.4180, 17.9330, -33.1630

Conversions

Conversions Part 2

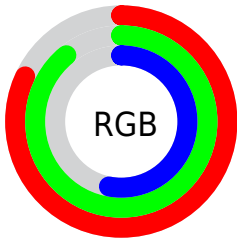
Format	Color
RYB	135, 228, 155
Decimal	13689991
CIELab	87.31, -20.92, 43.12
CIElCh	87, 47.930, 115.883
Yxy	70.6460, 0.3582, 0.4354
Android (android.graphics.Color)	4291880071 (0xFFD0E487)
YUV	211.4180, -37.6741, -2.9976
Hunter-Lab	84.0512, -23.6600, 35.2122

Details

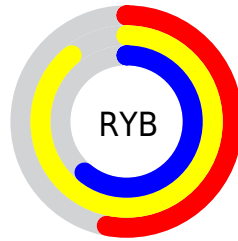
The Yxy color **70.6460, 0.3582, 0.4354** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.9005, 0.2525, 0.2086**, and the grayscale version is **65.6745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **37.1871, 0.3661, 0.4622** is the 20% darker color. If you saturate the color by 10%, you get **69.3728, 0.3675, 0.4608**, and if you desaturate by 10%, it is **72.0851, 0.3477, 0.4088**.

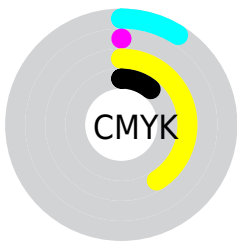
Distribution



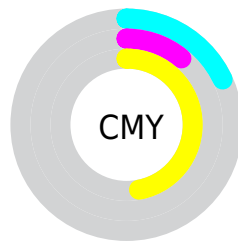
- Red (82%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (61%)



- Cyan (9%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (18%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6460, 0.3582, 0.4354 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 70.6460, 0.3582, 0.4354 by changing the saturation by 10% instead.


 70.6460, 0.3582,
0.4354


 70.6460, 0.3582,
0.4354


462.8150, 0.3388,
0.3847

 52.0534, 0.3620,
0.4471


 120.1295, 0.3519,
0.4177

 37.0476, 0.3663,
0.4615


 151.7892, 0.3494,
0.4108

 25.2444, 0.3711,
0.4795


 188.5734, 0.3471,
0.4049

 16.2592, 0.3761,
0.5027

230.8664, 0.3450,
0.3998

 9.7078, 0.3803,
0.5329

279.0527, 0.3432,
0.3953

 5.2056, 0.3871,
0.5818


333.5166, 0.3416,

 2.3684, 0.3721,


0.3914

0.6279


394.6426, 0.3401,
0.3879


 0.8096, 0.2422,
0.7578


 0.0000, 0.0000,
0.0000


 70.6460, 0.3582,
0.4354


 70.6460, 0.3582,
0.4354


 69.3728, 0.3675,
0.4608


 72.0851, 0.3477,
0.4088


 68.2470, 0.3749,
0.4838


 73.6890, 0.3365,
0.3820


 67.2617, 0.3802,
0.5034

 75.4684, 0.3250,
0.3559

 66.4053, 0.3829,
0.5187

 77.4305, 0.3136,
0.3309

 65.6641, 0.3829,
0.5294


 79.5819, 0.3026,
0.3076

 65.0627, 0.3812,
0.5356

 80.7993, 0.3022,
0.3019

 81.6594, 0.3055,
0.3022

 82.5428, 0.3087,
0.3025

 83.4498, 0.3121,
0.3027

Harmonies

Analogous

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



70.6460, 0.4054, 0.4168



70.6460, 0.3582, 0.4354



70.6460, 0.3012, 0.4193

Triad

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



70.6460, 0.3582, 0.4354



70.6460, 0.2086, 0.2646



70.6460, 0.3748, 0.2904

Complementary

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



70.6460, 0.3582, 0.4354



29.9005, 0.2525, 0.2086

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.



70.6460, 0.3158, 0.2572



70.6460, 0.3582, 0.4354



70.6460, 0.2237, 0.2409

Square

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



70.6460, 0.3582, 0.4354



70.6460, 0.2175, 0.3106



70.6460, 0.2611, 0.2394



70.6460, 0.4177, 0.3330

Rectangle

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



70.6460, 0.3582, 0.4354



70.6460, 0.2656, 0.3889



70.6460, 0.2611, 0.2394



70.6460, 0.3558, 0.2779

Sweetspot

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



70.6492, 0.3582, 0.4354



96.9537, 0.3264, 0.3592



41.2234, 0.4076, 0.3510



20.6856, 0.3280, 0.3626



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.



70.6492, 0.3582, 0.4354



89.6369, 0.3662, 0.4571



65.0208, 0.3251, 0.4478



16.6522, 0.3234, 0.3525



37.6169, 0.3818, 0.5351



2.8189, 0.3875, 0.5305

Inverse Universe

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



29.9005, 0.2525, 0.2086



30.3656, 0.2368, 0.1800



35.2216, 0.2916, 0.2208



14.0362, 0.3014, 0.3049



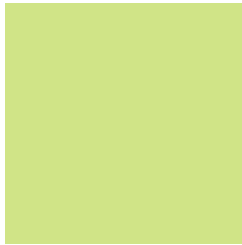
3.6558, 0.1614, 0.0663



0.3101, 0.1752, 0.0739

Previews

White Background



This preview shows how the Yxy color 70.6460, 0.3582, 0.4354 looks on a white background.

Color Contrast Check

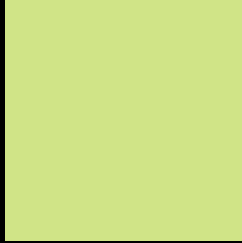
Large Text (above 18pt) WCAG AA × Fail

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 70.6460, 0.3582, 0.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

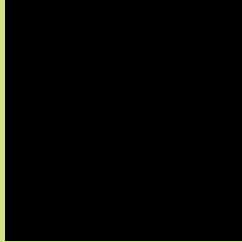
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6460, 0.3582, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 70.6460, 0.3582, 0.4354.



This preview shows how white text looks on a background with the Yxy color 70.6460, 0.3582, 0.4354.

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

70.6460, 0.3582, 0.4354

Protanopia

70.1322, 0.3890, 0.4212

Deuteranopia

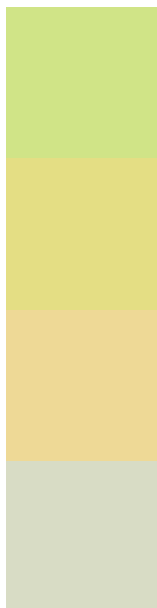
70.3517, 0.3852, 0.3828



Tritanopia

70.2106, 0.3043, 0.3107

Trichromacy



Original Color

70.6460, 0.3582, 0.4354

Protanomaly

70.4025, 0.3779, 0.4271

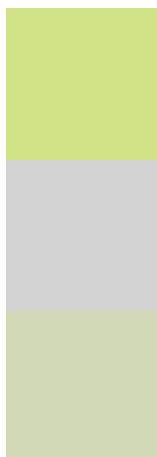
Deuteranomaly

70.0049, 0.3758, 0.4012

Tritanomaly

69.8165, 0.3253, 0.3549

Monochromacy



Original Color

70.6460, 0.3582, 0.4354

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.7462, 0.3308, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6460, 0.3582, 0.4354 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(208, 228, 135)` looks like.

```
.text, #text, p{  
    color:rgb(208, 228, 135)  
}
```

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(208, 228, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 228, 135) }
```

Border

The CSS property to change the border of an element to Yxy 70.6460, 0.3582, 0.4354 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(208, 228, 135) }
```

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

```
.border{ border-color:rgb(208, 228, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 228, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 228, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 228, 135);  
box-shadow:4px 4px 4px 4px rgb(208, 228,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6460, 0.3582, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 228, 135) }
```

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

```
.background{ background-color: rgb(208,  
228, 135) }
```

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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