

Converting Colors

Yxy(69.9688, 0.3644, 0.4363)

Have a look what the booklet for
Yxy(69.9688, 0.3644, 0.4363)
contains.

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Color

Yxy(70.0285, 0.3644, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	D4E283
RGB	212, 226, 131
RGB Percent	83%, 89%, 51%
CMY	0.1686, 0.1137, 0.4862
CMYK	0.06, 0.00, 0.42, 0.11
HSL	69°, 62%, 70%
HSV	69°, 42%, 89%
XYZ	58.4480, 70.0285, 31.9186
YIQ	210.9840, 22.1510, -32.5130

Conversions

Conversions Part 2

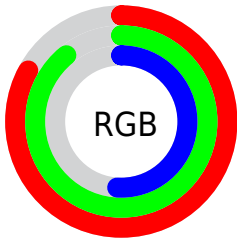
Format	Color
RYB	131, 226, 145
Decimal	13951619
CIELab	87.01, -18.82, 44.75
CIElCh	87, 48.544, 112.817
Yxy	70.0285, 0.3644, 0.4366
Android (android.graphics.Color)	4292141699 (0xFFD4E283)
YUV	210.9840, -39.4321, 0.8910
Hunter-Lab	83.6830, -21.7729, 35.9636

Details

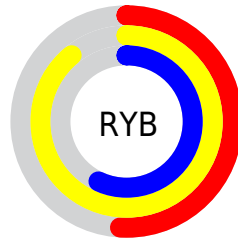
The Yxy color **70.0285, 0.3644, 0.4366** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.7534, 0.2450, 0.2028**, and the grayscale version is **65.3890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **36.7583, 0.3740, 0.4631** is the 20% darker color. If you saturate the color by 10%, you get **68.9942, 0.3747, 0.4606**, and if you desaturate by 10%, it is **71.2130, 0.3528, 0.4110**.

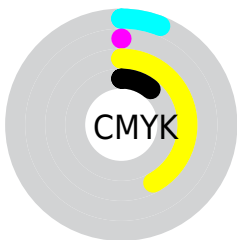
Distribution



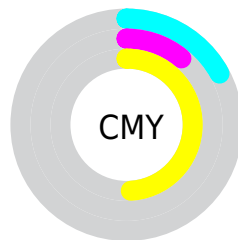
- Red (83%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (57%)



- Cyan (6%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)




- Cyan (17%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0285, 0.3644, 0.4366 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 70.0285, 0.3644, 0.4366 by changing the saturation by 10% instead.


 70.0285, 0.3644,
0.4366

 70.0285, 0.3644,
0.4366


460.6501, 0.3422,
0.3856


 51.5498, 0.3688,
0.4483

 119.2494, 0.3572,
0.4188

 36.6463, 0.3739,
0.4626


 150.7604, 0.3542,
0.4119

 24.9338, 0.3795,
0.4804

 187.3842, 0.3516,
0.4060

 16.0277, 0.3855,
0.5031

229.5053, 0.3493,
0.4008

 9.5438, 0.3908,
0.5321

277.5080, 0.3472,
0.3963

 5.0975, 0.4021,
0.5833

331.7768, 0.3454,

 2.3046, 0.3831,

0.3923

0.6169

392.6960, 0.3437,
0.3888

0.7761, 0.2638,
0.7362

0.0000, 0.0000,
0.0000

70.0285, 0.3644,
0.4366

70.0285, 0.3644,
0.4366

68.9942, 0.3747,
0.4606

71.2130, 0.3528,
0.4110

68.0918, 0.3832,
0.4819

72.5462, 0.3404,
0.3848


67.3145, 0.3894,
0.4996

74.0387, 0.3277,
0.3589


66.6510, 0.3929,
0.5129


75.6975, 0.3152,
0.3339


 66.0877, 0.3939,
0.5216


 77.5290, 0.3031,
0.3103

 65.6924, 0.3932,
0.5260

 78.7675, 0.2986,
0.2995

 79.3300, 0.3008,
0.2997

 79.9031, 0.3030,
0.2999

 80.4869, 0.3052,
0.3001

Harmonies

Analogous

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



70.0285, 0.4105, 0.4147



70.0285, 0.3644, 0.4366



70.0285, 0.3068, 0.4243

Triad

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



70.0285, 0.3644, 0.4366



70.0285, 0.2070, 0.2673



70.0285, 0.3700, 0.2858

Complementary

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



70.0285, 0.3644, 0.4366



27.7534, 0.2450, 0.2028

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.



70.0285, 0.3096, 0.2536



70.0285, 0.3644, 0.4366



70.0285, 0.2198, 0.2410

Square

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



70.0285, 0.3644, 0.4366



70.0285, 0.2184, 0.3160



70.0285, 0.2555, 0.2374



70.0285, 0.4162, 0.3283

Rectangle

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



70.0285, 0.3644, 0.4366



70.0285, 0.2700, 0.3955



70.0285, 0.2555, 0.2374



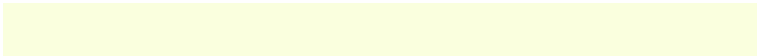
70.0285, 0.3503, 0.2736

Sweetspot

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



70.0317, 0.3644, 0.4366



97.1313, 0.3291, 0.3616



37.6621, 0.4149, 0.3442



20.6939, 0.3319, 0.3673



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.



70.0317, 0.3644, 0.4366



90.9351, 0.3731, 0.4567



64.1243, 0.3298, 0.4500



15.9219, 0.3245, 0.3523



37.5177, 0.3937, 0.5256



2.6288, 0.3979, 0.5223

Inverse Universe

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



27.7534, 0.2450, 0.2028



28.6653, 0.2287, 0.1743



32.8312, 0.2850, 0.2157



13.3397, 0.3003, 0.3049



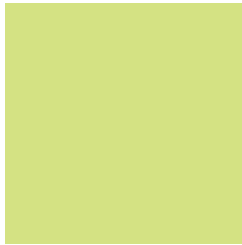
3.3512, 0.1562, 0.0634



0.2632, 0.1682, 0.0700

Previews

White Background



This preview shows how the Yxy color 70.0285, 0.3644, 0.4366 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 70.0285, 0.3644, 0.4366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

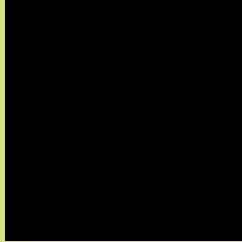
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0285, 0.3644, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 70.0285, 0.3644, 0.4366.



This preview shows how white text looks on a background with the Yxy color 70.0285, 0.3644, 0.4366.

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

70.0285, 0.3644, 0.4366

Protanopia

69.8785, 0.3901, 0.4245

Deuteranopia

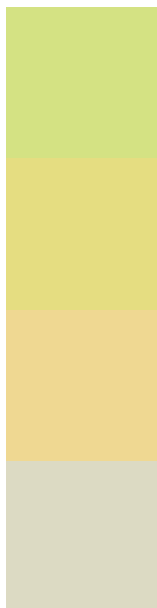
69.7197, 0.3885, 0.3859



Tritanopia

69.7099, 0.3085, 0.3107

Trichromacy



Original Color

70.0285, 0.3644, 0.4366

Protanomaly

69.9559, 0.3810, 0.4290

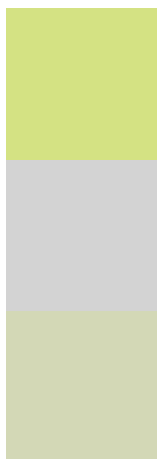
Deuteranomaly

69.5378, 0.3798, 0.4042

Tritanomaly

69.2986, 0.3299, 0.3547

Monochromacy



Original Color

70.0285, 0.3644, 0.4366

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.3380, 0.3324, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0285, 0.3644, 0.4366 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(212, 226, 131)` looks like.

```
.text, #text, p{  
    color:rgb(212, 226, 131)  
}
```

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(212, 226, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 226, 131) }
```

Border

The CSS property to change the border of an element to Yxy 70.0285, 0.3644, 0.4366 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(212, 226, 131) }
```

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

```
.border{ border-color:rgb(212, 226, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 226, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 226, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 226, 131); box-shadow:4px 4px 4px 4px rgb(212, 226, 131) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0285, 0.3644, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 226, 131) }
```

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

```
.background{ background-color: rgb(212,  
226, 131) }
```

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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