

Converting Colors

$Yxy(70.6284, 0.3706, 0.4316)$

Have a look what the booklet for
Yxy(70.6284, 0.3706, 0.4316)
contains.

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Color

Yxy(70.7320, 0.3704, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	DCE184
RGB	220, 225, 132
RGB Percent	86%, 88%, 52%
CMY	0.1373, 0.1176, 0.4824
CMYK	0.02, 0.00, 0.41, 0.12
HSL	63°, 61%, 70%
HSV	63°, 41%, 88%
XYZ	60.6041, 70.7320, 32.2818
YIQ	212.9030, 26.8730, -29.9830

Conversions

Conversions Part 2

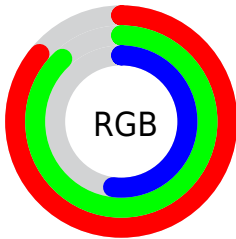
Format	Color
RYB	132, 225, 137
Decimal	14475652
CIELab	87.35, -15.14, 44.84
CIELCh	87, 47.324, 108.660
Yxy	70.7320, 0.3704, 0.4323
Android (android.graphics.Color)	4292665732 (0xFFDCE184)
YUV	212.9030, -39.8852, 6.2241
Hunter-Lab	84.1023, -18.5521, 36.1138

Details

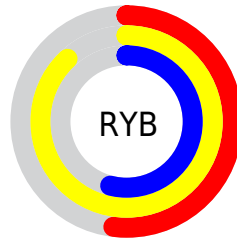
The Yxy color **70.7320, 0.3704, 0.4323** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.2527, 0.2396, 0.2031**, and the grayscale version is **66.7303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **37.1152, 0.3810, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **69.9959, 0.3825, 0.4549**, and if you desaturate by 10%, it is **71.6087, 0.3570, 0.4078**.

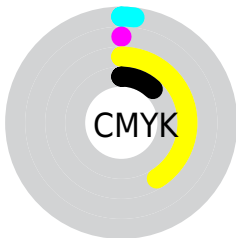
Distribution



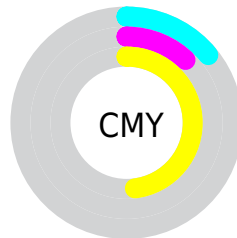
- Red (86%)
- Green (88%)
- Blue (52%)



- Red (52%)
- Yellow (88%)
- Blue (54%)



- Cyan (2%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)




- Cyan (14%)
- Magenta (12%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7320, 0.3704, 0.4323 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 70.7320, 0.3704, 0.4323 by changing the saturation by 10% instead.


 70.7320, 0.3704,
0.4323

 70.7320, 0.3704,
0.4323

463.1160, 0.3453,
0.3838


 52.1235, 0.3755,
0.4433


 120.2520, 0.3621,
0.4155

 37.1035, 0.3814,
0.4566


 151.9324, 0.3588,
0.4089

 25.2877, 0.3882,
0.4732


 188.7388, 0.3558,
0.4033

 16.2915, 0.3957,
0.4941

231.0557, 0.3532,
0.3984

 9.7307, 0.4032,
0.5204

279.2675, 0.3509,
0.3941

 5.2207, 0.4170,
0.5654

333.7586, 0.3488,

 2.3774, 0.4050,

0.3902

0.5950

394.9133, 0.3470,
0.3868

0.8142, 0.3318,
0.6682

0.0000, 0.0000,
0.0000

70.7320, 0.3704,
0.4323

70.7320, 0.3704,
0.4323

69.9959, 0.3825,
0.4549

71.6087, 0.3570,
0.4078

69.3822, 0.3929,
0.4746


72.6242, 0.3429,
0.3824


68.8845, 0.4009,
0.4905

73.7891, 0.3286,
0.3570


68.4916, 0.4063,
0.5022

75.1100, 0.3146,
0.3322

 68.1903, 0.4091,
0.5094

 76.5933, 0.3011,
0.3087

 67.9844, 0.4098,
0.5128

 77.4486, 0.2955,
0.2982

 77.6466, 0.2963,
0.2983

 77.8459, 0.2971,
0.2984

 78.0467, 0.2979,
0.2984

Harmonies

Analogous

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



70.7320, 0.4125, 0.4079



70.7320, 0.3704, 0.4323



70.7320, 0.3150, 0.4253

Triad

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



70.7320, 0.3704, 0.4323



70.7320, 0.2098, 0.2745



70.7320, 0.3606, 0.2819

Complementary

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



70.7320, 0.3704, 0.4323



27.2527, 0.2396, 0.2031

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.



70.7320, 0.3018, 0.2522



70.7320, 0.3704, 0.4323



70.7320, 0.2191, 0.2456

Square

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



70.7320, 0.3704, 0.4323



70.7320, 0.2243, 0.3245



70.7320, 0.2510, 0.2389



70.7320, 0.4086, 0.3224

Rectangle

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



70.7320, 0.3704, 0.4323



70.7320, 0.2784, 0.4003



70.7320, 0.2510, 0.2389



70.7320, 0.3412, 0.2705

Sweetspot

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



70.7352, 0.3704, 0.4323



97.8724, 0.3296, 0.3589



35.4621, 0.4165, 0.3348



20.9031, 0.3315, 0.3622



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.



70.7352, 0.3704, 0.4323



93.0467, 0.3814, 0.4528



64.5006, 0.3352, 0.4457



15.9900, 0.3259, 0.3522



39.1897, 0.4100, 0.5127



2.7281, 0.4115, 0.5115

Inverse Universe

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



27.2527, 0.2396, 0.2031



27.6265, 0.2207, 0.1713



32.0203, 0.2785, 0.2154



13.2783, 0.2989, 0.3048



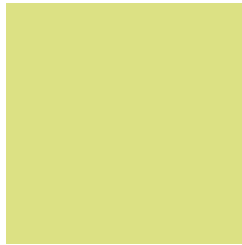
3.1937, 0.1517, 0.0610



0.2340, 0.1568, 0.0638

Previews

White Background



This preview shows how the Yxy color 70.7320, 0.3704, 0.4323 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 70.7320, 0.3704, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

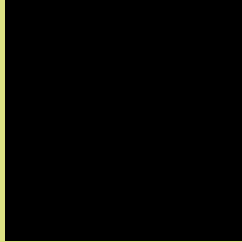
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7320, 0.3704, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 70.7320, 0.3704, 0.4323.



This preview shows how white text looks on a background with the Yxy color 70.7320, 0.3704, 0.4323.

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

70.7320, 0.3704, 0.4323

Protanopia

70.6255, 0.3892, 0.4231

Deuteranopia

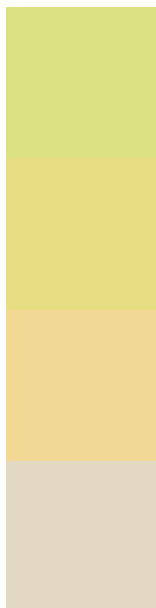
70.3517, 0.3852, 0.3828



Tritanopia

70.2906, 0.3143, 0.3110

Trichromacy



Original Color

70.7320, 0.3704, 0.4323

Protanomaly

70.5074, 0.3821, 0.4261

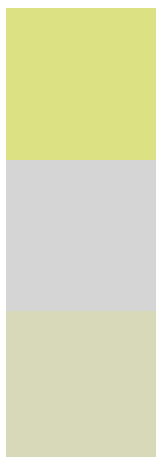
Deuteranomaly

70.1589, 0.3801, 0.4004

Tritanomaly

69.8516, 0.3360, 0.3544

Monochromacy



Original Color

70.7320, 0.3704, 0.4323

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.6853, 0.3346, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7320, 0.3704, 0.4323 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(220, 225, 132)` looks like.

```
.text, #text, p{  
    color:rgb(220, 225, 132)  
}
```

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(220, 225, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 225, 132) }
```

Border

The CSS property to change the border of an element to Yxy 70.7320, 0.3704, 0.4323 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(220, 225, 132) }
```

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

```
.border{ border-color:rgb(220, 225, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 225, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 225, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 225, 132); box-shadow:4px 4px 4px 4px rgb(220, 225, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7320, 0.3704, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 225, 132) }
```

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

```
.background{ background-color: rgb(220,  
225, 132) }
```

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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