

Converting Colors

$Yxy(72.3865, 0.3448, 0.4017)$

Have a look what the booklet for
Yxy(72.3865, 0.3448, 0.4017)
contains.

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Color

Yxy(72.4633, 0.3445, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	D6E4A4
RGB	214, 228, 164
RGB Percent	84%, 89%, 64%
CMY	0.1608, 0.1059, 0.3568
CMYK	0.06, 0.00, 0.28, 0.11
HSL	73°, 54%, 77%
HSV	73°, 28%, 89%
XYZ	62.1759, 72.4633, 45.8423
YIQ	216.5180, 12.2000, -22.8720

Conversions

Conversions Part 2

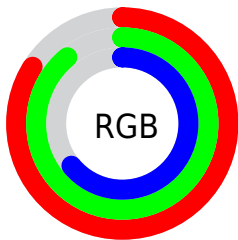
Format	Color
RYB	164, 228, 178
Decimal	14083236
CIELab	88.19, -15.06, 29.74
CIELCh	88, 33.336, 116.854
Yxy	72.4633, 0.3445, 0.4015
Android (android.graphics.Color)	4292273316 (0xFFD6E4A4)
YUV	216.5180, -25.8914, -2.2083
Hunter-Lab	85.1254, -18.5924, 27.6585

Details

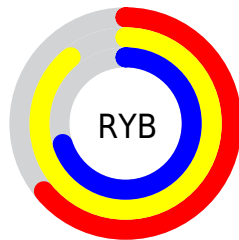
The Yxy color **72.4633, 0.3445, 0.4015** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.6308, 0.2745, 0.2503**, and the grayscale version is **69.2174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **38.4279, 0.3510, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **70.9752, 0.3552, 0.4283**, and if you desaturate by 10%, it is **74.1286, 0.3332, 0.3748**.

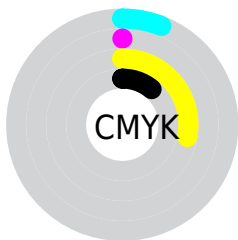
Distribution



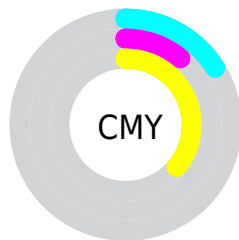
- Red (84%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (70%)



- Cyan (6%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)





- Cyan (16%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4633, 0.3445, 0.4015 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 72.4633, 0.3445, 0.4015 by changing the saturation by 10% instead.


 72.4633, 0.3445,
0.4015


 72.4633, 0.3445,
0.4015


469.1526, 0.3305,
0.3671

 53.5372, 0.3475,
0.4095

 122.7150, 0.3398,
0.3895

 38.2318, 0.3510,
0.4194


 154.8094, 0.3379,
0.3848

 26.1627, 0.3553,
0.4320

192.0620, 0.3363,
0.3808

 16.9454, 0.3604,
0.4486

234.8573, 0.3348,
0.3773

 10.1955, 0.3665,
0.4710

283.5796, 0.3335,
0.3743

 5.5288, 0.3732,
0.5027

338.6133, 0.3324,

 2.5607, 0.3971,

0.3716

400.3428, 0.3314,
0.3693

0.5773

0.9070, 0.3527,
0.6473

0.0000, 0.0000,
0.0000

72.4633, 0.3445,
0.4015

72.4633, 0.3445,
0.4015

70.9752, 0.3552,
0.4283

74.1286, 0.3332,
0.3748

69.6465, 0.3648,
0.4541

75.9689, 0.3218,
0.3489

68.4716, 0.3728,
0.4780


77.9944, 0.3106,
0.3244

67.4407, 0.3786,
0.4987

80.1971, 0.2999,
0.3017


 66.5427, 0.3819,
0.5153

 81.0542, 0.3032,
0.3020


 65.7645, 0.3826,
0.5273

 81.9352, 0.3065,
0.3023

 65.0881, 0.3810,
0.5348

 82.8405, 0.3099,
0.3025

 64.9634, 0.3806,
0.5360

 83.7701, 0.3132,
0.3028

 83.9702, 0.3139,
0.3029

Harmonies

Analogous

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



72.4633, 0.3772, 0.3920



72.4633, 0.3445, 0.4015



72.4633, 0.3046, 0.3885

Triad

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



72.4633, 0.3445, 0.4015



72.4633, 0.2385, 0.2842



72.4633, 0.3569, 0.3030

Complementary

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



72.4633, 0.3445, 0.4015



41.6308, 0.2745, 0.2503

Split Complementary

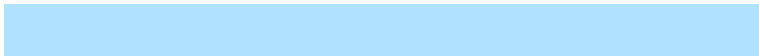
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4633, 0.3169, 0.2782



72.4633, 0.3445, 0.4015



72.4633, 0.2502, 0.2665

Square

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



72.4633, 0.3445, 0.4015



72.4633, 0.2449, 0.3164



72.4633, 0.2781, 0.2650



72.4633, 0.3854, 0.3345

Rectangle

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



72.4633, 0.3445, 0.4015



72.4633, 0.2795, 0.3682



72.4633, 0.2781, 0.2650



72.4633, 0.3442, 0.2937

Sweetspot

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



72.4665, 0.3445, 0.4015



97.9175, 0.3218, 0.3489



50.9721, 0.3697, 0.3452



20.8783, 0.3235, 0.3527



0.0000, 0.0000, 0.0000



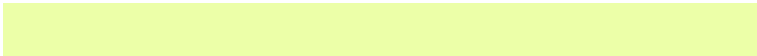
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4665, 0.3445, 0.4015



92.1932, 0.3512, 0.4180



68.1351, 0.3213, 0.4071



16.6496, 0.3234, 0.3525



37.5641, 0.3812, 0.5356



2.8154, 0.3870, 0.5309

Inverse Universe

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



41.6308, 0.2745, 0.2503



45.9374, 0.2643, 0.2305



45.8452, 0.3006, 0.2560



14.0386, 0.3014, 0.3049



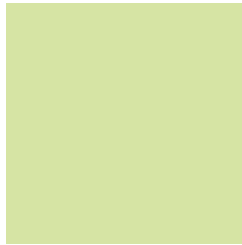
3.6676, 0.1617, 0.0664



0.3113, 0.1756, 0.0741

Previews

White Background



This preview shows how the Yxy color 72.4633, 0.3445, 0.4015 looks on a white background.

Color Contrast Check

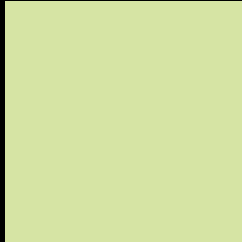
Large Text (above 18pt) WCAG AA × Fail

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 72.4633, 0.3445, 0.4015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

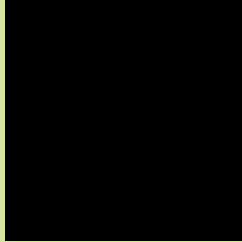
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

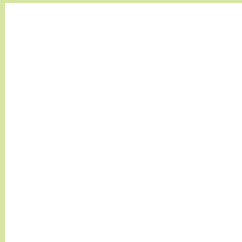
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4633, 0.3445, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 72.4633, 0.3445, 0.4015.



This preview shows how white text looks on a background with the Yxy color 72.4633, 0.3445, 0.4015.

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

72.4633, 0.3445, 0.4015

Protanopia

72.4633, 0.3668, 0.3935

Deuteranopia

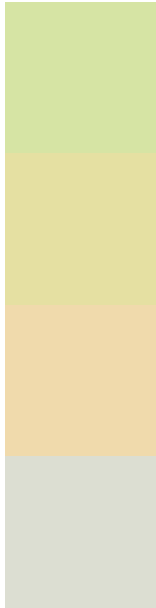
71.9831, 0.3718, 0.3673



Tritanopia

72.5665, 0.3051, 0.3109

Trichromacy



Original Color

72.4633, 0.3445, 0.4015

Protanomaly

72.5780, 0.3582, 0.3970

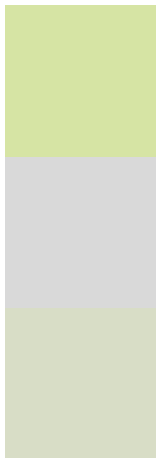
Deuteranomaly

71.6466, 0.3615, 0.3784

Tritanomaly

72.1113, 0.3192, 0.3422

Monochromacy



Original Color

72.4633, 0.3445, 0.4015

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.3890, 0.3245, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4633, 0.3445, 0.4015 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(214, 228, 164)` looks like.

```
.text, #text, p{  
    color:rgb(214, 228, 164)  
}
```

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(214, 228, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 228, 164) }
```

Border

The CSS property to change the border of an element to Yxy 72.4633, 0.3445, 0.4015 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(214, 228, 164) }
```

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

```
.border{ border-color:rgb(214, 228, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 228, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 228, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 228, 164); box-shadow:4px 4px 4px 4px rgb(214, 228, 164) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4633, 0.3445, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 228, 164) }
```

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

```
.background{ background-color: rgb(214,  
228, 164) }
```

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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