

Converting Colors

$Y_{xy}(72.1599, 0.3380, 0.3726)$

Have a look what the booklet for
Yxy(72.1599, 0.3380, 0.3726)
contains.

Yxy(72.3016, 0.3380, 0.3735)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.3016, 0.3380, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	DEE0B8
RGB	222, 224, 184
RGB Percent	87%, 88%, 72%
CMY	0.1294, 0.1215, 0.2785
CMYK	0.01, 0.00, 0.18, 0.12
HSL	63°, 39%, 80%
HSV	63°, 18%, 88%
XYZ	65.4296, 72.3016, 55.8474
YIQ	218.8420, 11.6480, -12.8640

Conversions

Conversions Part 2

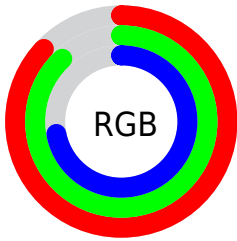
Format	Color
RYB	184, 224, 186
Decimal	14606520
CIELab	88.11, -7.28, 19.41
CIELCh	88, 20.732, 110.561
Yxy	72.3016, 0.3380, 0.3735
Android (android.graphics.Color)	4292796600 (0xFFDEE0B8)
YUV	218.8420, -17.1771, 2.7696
Hunter-Lab	85.0303, -11.4501, 20.5799

Details

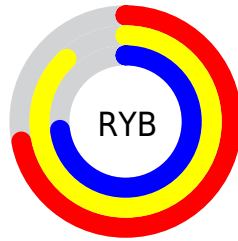
The Yxy color **72.3016, 0.3380, 0.3735** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.0978, 0.2849, 0.2807**, and the grayscale version is **70.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **38.2301, 0.3439, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **71.2614, 0.3523, 0.3990**, and if you desaturate by 10%, it is **73.4981, 0.3237, 0.3483**.

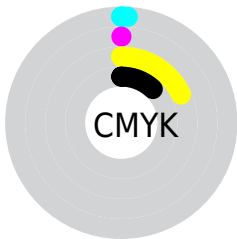
Distribution



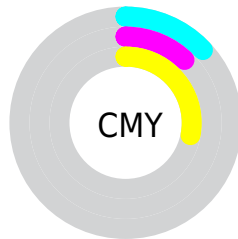
- Red (87%)
- Green (88%)
- Blue (72%)



- Red (72%)
- Yellow (88%)
- Blue (73%)



- Cyan (1%)
- Magenta (0%)
- Yellow (18%)
- Black (12%)





- Cyan (13%)
- Magenta (12%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3016, 0.3380, 0.3735 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 72.3016, 0.3380, 0.3735 by changing the saturation by 10% instead.


 72.3016, 0.3380,
0.3735

 72.3016, 0.3380,
0.3735

468.5907, 0.3265,
0.3526

 53.4051, 0.3406,
0.3783

 122.4852, 0.3340,
0.3662

 38.1262, 0.3437,
0.3843


154.5411, 0.3325,
0.3634

 26.0807, 0.3477,
0.3920


191.7523, 0.3311,
0.3609

 16.8840, 0.3527,
0.4020

234.5031, 0.3300,
0.3588

 10.1518, 0.3593,
0.4158

283.1779, 0.3289,
0.3570

 5.4997, 0.3683,
0.4357

338.1612, 0.3280,

 2.5434, 0.3812,

0.3554

0.4671

399.8373, 0.3272,
0.3539

0.8983, 0.4294,
0.5706

0.0000, 0.0000,
0.0000

72.3016, 0.3380,
0.3735

72.3016, 0.3380,
0.3735

71.2614, 0.3523,
0.3990

73.4981, 0.3237,
0.3483

70.3609, 0.3661,
0.4238

74.8480, 0.3098,
0.3239

69.5959, 0.3788,
0.4472

76.3604, 0.2965,
0.3008

68.9580, 0.3899,
0.4679

76.7852, 0.2950,
0.2971

68.4381, 0.3988,
0.4851

76.9684, 0.2957,
0.2972

68.0259, 0.4052,
0.4982

77.1527, 0.2965,
0.2973

67.7090, 0.4089,
0.5069

77.3382, 0.2972,
0.2973

67.4706, 0.4103,
0.5115

77.5250, 0.2979,
0.2974

67.4242, 0.4105,
0.5123

77.7129, 0.2987,
0.2975

Harmonies

Analogous

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



72.3016, 0.3562, 0.3663



72.3016, 0.3380, 0.3735



72.3016, 0.3135, 0.3678

Triad

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



72.3016, 0.3380, 0.3735



72.3016, 0.2653, 0.3052



72.3016, 0.3355, 0.3088

Complementary

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



72.3016, 0.3380, 0.3735



50.0978, 0.2849, 0.2807

Split Complementary

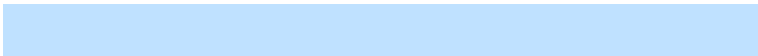
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3016, 0.3103, 0.2939



72.3016, 0.3380, 0.3735



72.3016, 0.2705, 0.2912

Square

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



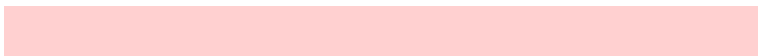
72.3016, 0.3380, 0.3735



72.3016, 0.2721, 0.3269



72.3016, 0.2867, 0.2874



72.3016, 0.3549, 0.3289

Rectangle

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



72.3016, 0.3380, 0.3735



72.3016, 0.2970, 0.3572



72.3016, 0.2867, 0.2874



72.3016, 0.3274, 0.3031

Sweetspot

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



72.3048, 0.3380, 0.3735



99.0845, 0.3197, 0.3413



54.4223, 0.3468, 0.3314



21.1815, 0.3207, 0.3430



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.



72.3048, 0.3380, 0.3735



96.5114, 0.3427, 0.3819



69.3320, 0.3233, 0.3756



15.9926, 0.3259, 0.3522



39.2582, 0.4106, 0.5122



2.7321, 0.4120, 0.5110

Inverse Universe

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



50.0978, 0.2849, 0.2807



62.0608, 0.2791, 0.2707



52.7804, 0.3004, 0.2829



13.2760, 0.2988, 0.3048



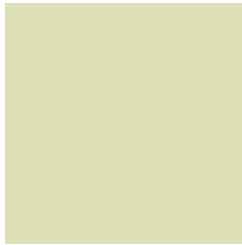
3.1897, 0.1516, 0.0609



0.2328, 0.1564, 0.0635

Previews

White Background



This preview shows how the Yxy color 72.3016, 0.3380, 0.3735 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 72.3016, 0.3380, 0.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

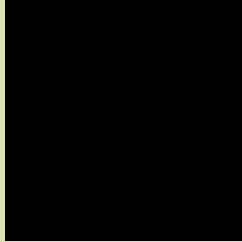
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

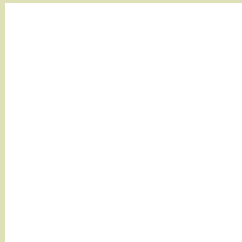
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3016, 0.3380, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 72.3016, 0.3380, 0.3735.



This preview shows how white text looks on a background with the Yxy color 72.3016, 0.3380, 0.3735.

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

72.3016, 0.3380, 0.3735

Protanopia

72.0562, 0.3493, 0.3703

Deuteranopia

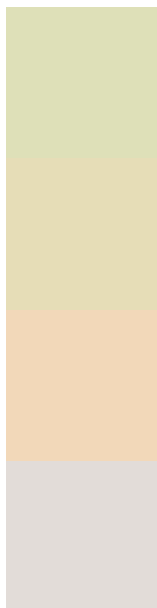
71.7030, 0.3638, 0.3560



Tritanopia

72.2242, 0.3100, 0.3111

Trichromacy



Original Color

72.3016, 0.3380, 0.3735

Protanomaly

71.9548, 0.3453, 0.3706

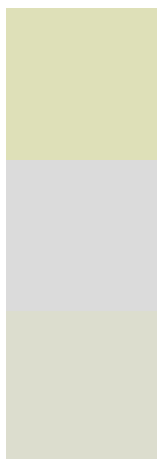
Deuteranomaly

71.4918, 0.3542, 0.3621

Tritanomaly

72.3130, 0.3197, 0.3333

Monochromacy



Original Color

72.3016, 0.3380, 0.3735

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.3848, 0.3220, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3016, 0.3380, 0.3735 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(222, 224, 184)` looks like.

```
.text, #text, p{  
    color:rgb(222, 224, 184)  
}
```

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(222, 224, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 224, 184) }
```

Border

The CSS property to change the border of an element to Yxy 72.3016, 0.3380, 0.3735 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(222, 224, 184) }
```

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

```
.border{ border-color:rgb(222, 224, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 224, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 224, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 224, 184);  
box-shadow:4px 4px 4px 4px rgb(222, 224,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3016, 0.3380, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 224, 184) }
```

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

```
.background{ background-color: rgb(222,  
224, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor