

Converting Colors

$Y_{xy}(73.4629, 0.4195, 0.5380)$

Have a look what the booklet for
Yxy(73.4629, 0.4195, 0.5380)
contains.

Yxy(73.7511, 0.4072, 0.5148)	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(73.7511, 0.4072, 0.5148)

Conversions

Conversions Part 1

Format	Color
Hex	DAEA01
RGB	218, 234, 1
RGB Percent	85%, 92%, 0%
CMY	0.1451, 0.0823, 0.9980
CMYK	0.07, 0.00, 1.00, 0.08
HSL	64°, 100%, 46%
HSV	64°, 100%, 92%
XYZ	58.3361, 73.7511, 11.1744
YIQ	202.6540, 65.2570, -75.8550

Conversions

Conversions Part 2

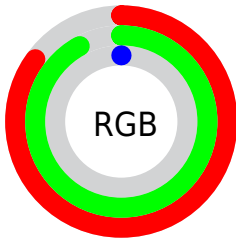
Format	Color
RYB	1, 234, 17
Decimal	14346753
CIELab	88.80, -26.83, 87.06
CIELCh	89, 91.100, 107.127
Yxy	73.7511, 0.4072, 0.5148
Android (android.graphics.Color)	4292536833 (0xFFDAEA01)
YUV	202.6540, -99.4154, 13.4584
Hunter-Lab	85.8785, -29.0345, 52.4002

Details

The Yxy color **73.7511, 0.4072, 0.5148** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **6.0668, 0.1518, 0.0611**, and the grayscale version is **60.0621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **39.1099, 0.3998, 0.5208** is the 20% darker color. If you saturate the color by 10%, you get **73.7480, 0.4072, 0.5149**, and if you desaturate by 10%, it is **74.0676, 0.4065, 0.5105**.

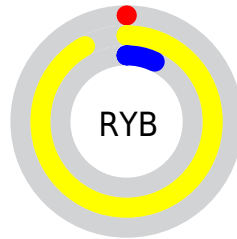
Distribution



Red (85%)

Green (92%)

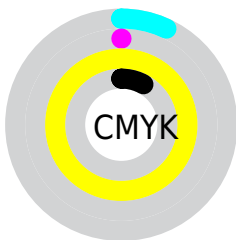
Blue (0%)



Red (0%)

Yellow (92%)

Blue (7%)

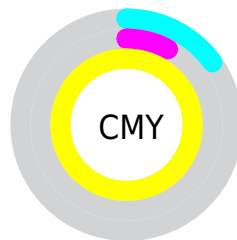


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (15%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7511, 0.4072, 0.5148 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 73.7511, 0.4072, 0.5148 by changing the saturation by 10% instead.


 73.7511, 0.4072,
0.5148


 73.7511, 0.4072,
0.5148


473.6139, 0.3741,
0.4339

 54.5903, 0.4110,
0.5301


 124.5429, 0.3986,
0.4890

 39.0738, 0.4136,
0.5470


 156.9428, 0.3944,
0.4782


 26.8172, 0.4138,
0.5650


 194.5244, 0.3904,
0.4686

 17.4360, 0.4125,
0.5875

 237.6723, 0.3866,
0.4601

 10.5458, 0.3983,
0.6017

 286.7708, 0.3831,
0.4525

 5.7623, 0.3777,
0.6223


 342.2043, 0.3799,


 2.7011, 0.3448,


0.4456


0.6552


404.3572, 0.3769,
0.4394


 0.9778, 0.2173,
0.7827


 0.0000, 0.0000,
0.0000


 73.7511, 0.4072,
0.5148

 73.7511, 0.4072,
0.5148

 73.7480, 0.4072,
0.5149

 74.0676, 0.4065,
0.5105

 74.4609, 0.4036,
0.5023

 74.9579, 0.3981,
0.4898

 75.5727, 0.3900,
0.4729

■ 76.3173, 0.3796,
0.4524

■ 77.2022, 0.3675,
0.4292

■ 78.2366, 0.3541,
0.4042

■ 79.4291, 0.3402,
0.3786

■ 80.7875, 0.3262,
0.3531

Harmonies

Analogous

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



73.7511, 0.4868, 0.4489



73.7511, 0.4072, 0.5148



73.7511, 0.3101, 0.5271

Triad

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



73.7511, 0.4072, 0.5148



73.7511, 0.1385, 0.2269



73.7511, 0.3946, 0.2423

Complementary

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



73.7511, 0.4072, 0.5148



6.0668, 0.1518, 0.0611

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.



73.7511, 0.2832, 0.1971



73.7511, 0.4072, 0.5148



73.7511, 0.1522, 0.1838

Square

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



73.7511, 0.4072, 0.5148



73.7511, 0.1588, 0.3175



73.7511, 0.1992, 0.1763



73.7511, 0.4909, 0.3044

Rectangle

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



73.7511, 0.4072, 0.5148



73.7511, 0.2468, 0.4810



73.7511, 0.1992, 0.1763



73.7511, 0.3563, 0.2249

Sweetspot

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



73.7545, 0.4072, 0.5148



95.0327, 0.3546, 0.4052



17.8676, 0.6360, 0.3330



20.2227, 0.3604, 0.4158



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.



73.7545, 0.4072, 0.5148



89.6120, 0.4071, 0.5149



61.6575, 0.3271, 0.5784



17.5713, 0.3257, 0.3523



41.4622, 0.4074, 0.5147



3.2716, 0.4091, 0.5133

Inverse Universe

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



6.0668, 0.1518, 0.0611



7.3438, 0.1515, 0.0608



10.9242, 0.2148, 0.0957



14.5983, 0.2990, 0.3047



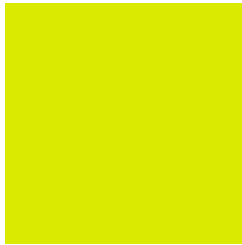
3.4195, 0.1522, 0.0612



0.2858, 0.1579, 0.0644

Previews

White Background



This preview shows how the Yxy color 73.7511, 0.4072, 0.5148 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 73.7511, 0.4072, 0.5148 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 73.7511, 0.4072, 0.5148

Background



This preview shows how black text looks on a background with the Yxy color 73.7511, 0.4072, 0.5148.



This preview shows how white text looks on a background with the Yxy color 73.7511, 0.4072, 0.5148.

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

73.7533, 0.4072, 0.5147

Protanopia

73.2846, 0.4408, 0.4882

Deuteranopia

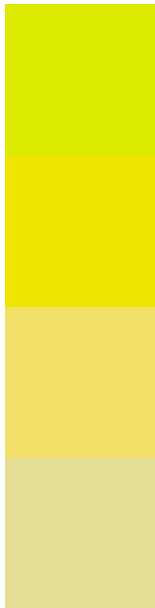
73.4589, 0.3815, 0.3866



Tritanopia

73.2860, 0.3136, 0.3103

Trichromacy



Original Color

73.7533, 0.4072, 0.5147

Protanomaly

73.2889, 0.4285, 0.4980

Deuteranomaly

72.6319, 0.4053, 0.4498

Tritanomaly

71.6354, 0.3666, 0.4090

Monochromacy



Original Color

73.7533, 0.4072, 0.5147

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

63.0880, 0.3670, 0.4286

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7511, 0.4072, 0.5148 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(218, 234, 1)` looks like.

```
.text, #text, p{  
    color:rgb(218, 234, 1)  
}
```

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(218, 234, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 234, 1) }
```

Border

The CSS property to change the border of an element to Yxy 73.7511, 0.4072, 0.5148 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(218, 234, 1) }
```

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

```
.border{ border-color:rgb(218, 234, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 234, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 234, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 234, 1);  
box-shadow:4px 4px 4px 4px rgb(218, 234,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7511, 0.4072, 0.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 234, 1) }
```

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

```
.background{ background-color: rgb(218,  
234, 1) }
```

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