

Converting Colors

$Y_{xy}(71.2412, 0.3913, 0.5210)$

Have a look what the booklet for
Yxy(71.2412, 0.3913, 0.5210)
contains.

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Color

Yxy(71.2041, 0.3912, 0.5212)

Conversions

Conversions Part 1

Format	Color
Hex	C8EA1B
RGB	200, 234, 27
RGB Percent	78%, 92%, 11%
CMY	0.2156, 0.0823, 0.8938
CMYK	0.15, 0.00, 0.88, 0.08
HSL	70°, 83%, 51%
HSV	70°, 88%, 92%
XYZ	53.4441, 71.2041, 11.9675
YIQ	200.2360, 46.1830, -71.5850

Conversions

Conversions Part 2

Format	Color
RYB	27, 234, 61
Decimal	13167131
CIELab	87.58, -33.79, 82.79
CIELCh	88, 89.422, 112.204
Yxy	71.2041, 0.3912, 0.5212
Android (android.graphics.Color)	4291357211 (0xFFC8EA1B)
YUV	200.2360, -85.4053, -0.2070
Hunter-Lab	84.3825, -34.6156, 50.6590

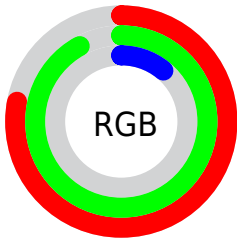
Details

The Yxy color **71.2041, 0.3912, 0.5212** is a light color, and the websafe version is hex **CCFF33**.

The color can be described as light washed yellow. A complement of this color would be **7.7219, 0.1662, 0.0747**, and the grayscale version is **58.4365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **37.5035, 0.3831, 0.5340** is the 20% darker color. If you saturate the color by 10%, you get **70.6133, 0.3904, 0.5276**, and if you desaturate by 10%, it is **71.8982, 0.3896, 0.5105**.

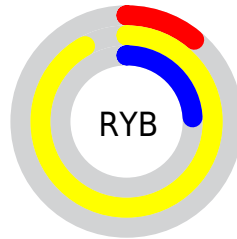
Distribution



Red (78%)

Green (92%)

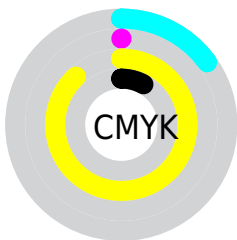
Blue (11%)



Red (11%)

Yellow (92%)

Blue (24%)

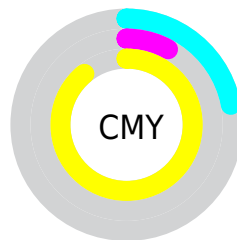


Cyan (15%)

Magenta (0%)

Yellow (88%)

Black (8%)



Cyan (22%)


Magenta (8%)


Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2041, 0.3912, 0.5212 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 71.2041, 0.3912, 0.5212 by changing the saturation by 10% instead.


 71.2041, 0.3912,
0.5212


 71.2041, 0.3912,
0.5212


464.7666, 0.3646,
0.4343

 52.5088, 0.3937,
0.5386


 120.9243, 0.3847,
0.4927


 37.4108, 0.3949,
0.5583


 152.7180, 0.3813,
0.4810


 25.5257, 0.3933,
0.5802


 189.6465, 0.3781,
0.4708

 16.4691, 0.3904,
0.6096

 232.0944, 0.3750,
0.4617

 9.8567, 0.3716,
0.6284

 280.4459, 0.3721,
0.4537

 5.3041, 0.3440,
0.6560

 335.0855, 0.3695,

 2.4268, 0.2998,

0.4465

0.7002

396.3976, 0.3670,
0.4401

0.8396, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.2041, 0.3912,
0.5212

71.2041, 0.3912,
0.5212

70.6133, 0.3904,
0.5276

71.8982, 0.3896,
0.5105

70.5244, 0.3902,
0.5284

72.7058, 0.3855,
0.4953

73.6441, 0.3787,
0.4759

74.7248, 0.3699,
0.4531

■ 75.9583, 0.3593,
0.4281

■ 77.3538, 0.3476,
0.4020

■ 78.9200, 0.3354,
0.3756

■ 80.6647, 0.3230,
0.3498

■ 82.5952, 0.3108,
0.3252

Harmonies

Analogous

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



71.2041, 0.4748, 0.4610



71.2041, 0.3912, 0.5212



71.2041, 0.2938, 0.5183

Triad

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



71.2041, 0.3912, 0.5212



71.2041, 0.1394, 0.2173



71.2041, 0.4129, 0.2524

Complementary

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



71.2041, 0.3912, 0.5212



7.7219, 0.1662, 0.0747

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.



71.2041, 0.3010, 0.2038



71.2041, 0.3912, 0.5212



71.2041, 0.1585, 0.1811

Square

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



71.2041, 0.3912, 0.5212



71.2041, 0.1536, 0.2990



71.2041, 0.2114, 0.1787



71.2041, 0.5005, 0.3161

Rectangle

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



71.2041, 0.3912, 0.5212



71.2041, 0.2327, 0.4618



71.2041, 0.2114, 0.1787



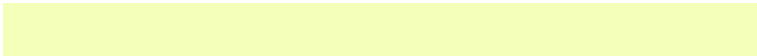
71.2041, 0.3754, 0.2340

Sweetspot

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



71.2073, 0.3912, 0.5212



94.2497, 0.3460, 0.3985



20.6098, 0.6002, 0.3470



20.0419, 0.3502, 0.4076



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.



71.2073, 0.3912, 0.5212



85.6841, 0.3900, 0.5285



61.6066, 0.3238, 0.5729



17.4945, 0.3243, 0.3525



39.6776, 0.3907, 0.5280



3.1490, 0.3949, 0.5247

Inverse Universe

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



7.7219, 0.1662, 0.0747



7.7097, 0.1560, 0.0633



14.3651, 0.2435, 0.1164



14.6677, 0.3005, 0.3048



3.6103, 0.1572, 0.0639



0.3189, 0.1686, 0.0702

Previews

White Background



This preview shows how the Yxy color 71.2041, 0.3912, 0.5212 looks on a white background.

Color Contrast Check

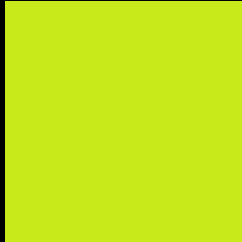
Large Text (above 18pt) WCAG AA × Fail

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 71.2041, 0.3912, 0.5212 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 71.2041, 0.3912, 0.5212

Background



This preview shows how black text looks on a background with the Yxy color 71.2041, 0.3912, 0.5212.



This preview shows how white text looks on a background with the Yxy color 71.2041, 0.3912, 0.5212.

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

71.2041, 0.3912, 0.5212

Protanopia

71.0185, 0.4384, 0.4858

Deuteranopia

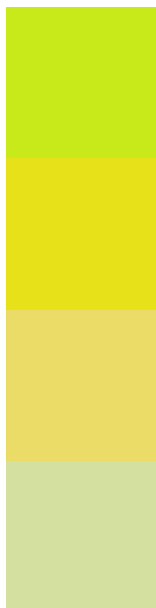
70.4536, 0.3935, 0.3958



Tritanopia

71.0464, 0.3016, 0.3107

Trichromacy



Original Color

71.2041, 0.3912, 0.5212

Protanomaly

70.7394, 0.4211, 0.4988

Deuteranomaly

69.8278, 0.4015, 0.4500

Tritanomaly

69.6634, 0.3465, 0.4038

Monochromacy



Original Color

71.2041, 0.3912, 0.5212

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

61.1725, 0.3558, 0.4196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2041, 0.3912, 0.5212 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(200, 234, 27)` looks like.

```
.text, #text, p{  
    color:rgb(200, 234, 27)  
}
```

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(200, 234, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 234, 27) }
```

Border

The CSS property to change the border of an element to Yxy 71.2041, 0.3912, 0.5212 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(200, 234, 27) }
```

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

```
.border{ border-color:rgb(200, 234, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 234, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 234, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 234, 27);  
box-shadow:4px 4px 4px 4px rgb(200, 234,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2041, 0.3912, 0.5212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 234, 27) }
```

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

```
.background{ background-color: rgb(200,  
234, 27) }
```

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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