

Converting Colors

$Yxy(72.5527, 0.3429, 0.4732)$

Have a look what the booklet for
Yxy(72.5527, 0.3429, 0.4732)
contains.

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Color

Yxy(72.4823, 0.3428, 0.4738)

Conversions

Conversions Part 1

Format	Color
Hex	B2EF75
RGB	178, 239, 117
RGB Percent	70%, 94%, 46%
CMY	0.3019, 0.0627, 0.5412
CMYK	0.26, 0.00, 0.51, 0.06
HSL	90°, 79%, 70%
HSV	90°, 51%, 94%
XYZ	52.4418, 72.4823, 28.0567
YIQ	206.8530, 2.8060, -50.8740

Conversions

Conversions Part 2

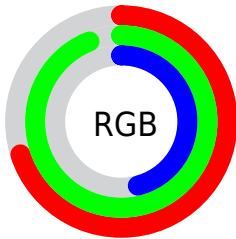
Format	Color
RYB	117, 239, 178
Decimal	11726709
CIELab	88.20, -39.05, 52.39
CIElCh	88, 65.337, 126.698
Yxy	72.4823, 0.3428, 0.4738
Android (android.graphics.Color)	4289916789 (0xFFB2EF75)
YUV	206.8530, -44.2975, -25.3041
Hunter-Lab	85.1365, -39.0377, 40.0566

Details

The Yxy color **72.4823, 0.3428, 0.4738** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **28.4184, 0.2621, 0.1848**, and the grayscale version is **62.5914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3314, 0.3491, 0.4143**, and **38.3747, 0.3444, 0.5106** is the 20% darker color. If you saturate the color by 10%, you get **70.6408, 0.3454, 0.5021**, and if you desaturate by 10%, it is **74.5967, 0.3386, 0.4439**.

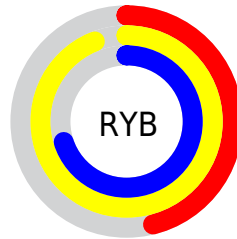
Distribution



Red (70%)

Green (94%)

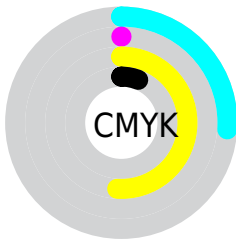
Blue (46%)



Red (46%)

Yellow (94%)

Blue (70%)

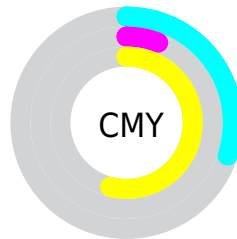


Cyan (26%)

Magenta (0%)

Yellow (51%)

Black (6%)



Cyan (30%)


Magenta (6%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4823, 0.3428, 0.4738 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 72.4823, 0.3428, 0.4738 by changing the saturation by 10% instead.


 72.4823, 0.3428,
0.4738


 72.4823, 0.3428,
0.4738


469.2186, 0.3325,
0.4037


 53.5528, 0.3440,
0.4901


 122.7420, 0.3401,
0.4491

 38.2442, 0.3447,
0.5103

 154.8409, 0.3388,
0.4396

 26.1723, 0.3444,
0.5355


 192.0984, 0.3376,
0.4315

 16.9526, 0.3419,
0.5677

234.8989, 0.3364,
0.4244

 10.2007, 0.3345,
0.6092

283.6268, 0.3353,
0.4182

 5.5322, 0.3233,
0.6767

338.6664, 0.3343,

 2.5628, 0.2741,

0.4128

0.7259

400.4022, 0.3333,
0.4080

■ 0.9080, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.4823, 0.3428,
0.4738

■ 72.4823, 0.3428,
0.4738

■ 70.6408, 0.3454,
0.5021

■ 74.5967, 0.3386,
0.4439

■ 69.0484, 0.3459,
0.5273

■ 76.9875, 0.3331,
0.4138


■ 67.6923, 0.3442,
0.5478


■ 79.6697, 0.3268,
0.3846


■ 66.5537, 0.3404,
0.5628

■ 82.6548, 0.3202,
0.3570

 65.6936, 0.3355,
0.5718

 85.9530, 0.3134,
0.3315

 89.2214, 0.3100,
0.3135

 90.2130, 0.3134,
0.3136

Harmonies

Analogous

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



72.4823, 0.4129, 0.4573



72.4823, 0.3428, 0.4738



72.4823, 0.2686, 0.4345

Triad

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



72.4823, 0.3428, 0.4738



72.4823, 0.1816, 0.2283



72.4823, 0.4214, 0.2958

Complementary

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



72.4823, 0.3428, 0.4738



28.4184, 0.2621, 0.1848

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.



72.4823, 0.3449, 0.2491



72.4823, 0.3428, 0.4738



72.4823, 0.2106, 0.2107

Square

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



72.4823, 0.3428, 0.4738



72.4823, 0.1810, 0.2763



72.4823, 0.2673, 0.2190



72.4823, 0.4651, 0.3514

Rectangle

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



72.4823, 0.3428, 0.4738



72.4823, 0.2270, 0.3823



72.4823, 0.2673, 0.2190



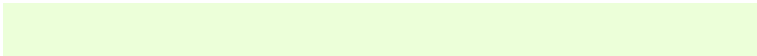
72.4823, 0.3981, 0.2788

Sweetspot

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



72.4855, 0.3428, 0.4738



94.3294, 0.3229, 0.3678



50.6739, 0.4220, 0.3936



20.0339, 0.3243, 0.3737



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.



72.4855, 0.3428, 0.4738



81.8064, 0.3454, 0.5026



66.9422, 0.3061, 0.4915



18.0447, 0.3191, 0.3529



36.3818, 0.3367, 0.5709



3.0858, 0.3466, 0.5630

Inverse Universe

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



28.4184, 0.2621, 0.1848



25.5994, 0.2488, 0.1563



36.9546, 0.3166, 0.2058



15.6168, 0.3058, 0.3051



5.7072, 0.2023, 0.0888



0.5339, 0.2165, 0.0967

Previews

White Background



This preview shows how the Yxy color 72.4823, 0.3428, 0.4738 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 72.4823, 0.3428, 0.4738 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 72.4823, 0.3428, 0.4738

Background



This preview shows how black text looks on a background with the Yxy color 72.4823, 0.3428, 0.4738.



This preview shows how white text looks on a background with the Yxy color 72.4823, 0.3428, 0.4738.

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

72.4823, 0.3428, 0.4738

Protanopia

72.0937, 0.4036, 0.4407

Deuteranopia

71.4571, 0.3822, 0.3817



Tritanopia

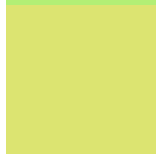
72.0573, 0.2825, 0.3091

Trichromacy



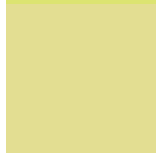
Original Color

72.4823, 0.3428, 0.4738



Protanomaly

71.8947, 0.3802, 0.4537



Deuteranomaly

70.6488, 0.3680, 0.4128



Tritanomaly

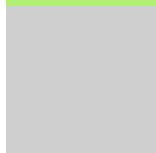
71.4437, 0.3055, 0.3677

Monochromacy



Original Color

72.4823, 0.3428, 0.4738



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

65.4548, 0.3261, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4823, 0.3428, 0.4738 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(178, 239, 117)` looks like.

```
.text, #text, p{  
    color:rgb(178, 239, 117)  
}
```

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(178, 239, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 239, 117) }
```

Border

The CSS property to change the border of an element to Yxy 72.4823, 0.3428, 0.4738 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(178, 239, 117) }
```

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

```
.border{ border-color:rgb(178, 239, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 239, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 239, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 239, 117); box-shadow:4px 4px 4px 4px rgb(178, 239, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4823, 0.3428, 0.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 239, 117) }
```

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

```
.background{ background-color: rgb(178,  
239, 117) }
```

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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