

Converting Colors

Yxy(72.6096, 0.3479, 0.4643)

Have a look what the booklet for
Yxy(72.6096, 0.3479, 0.4643)
contains.

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Color

Yxy(72.6402, 0.3484, 0.4646)

Conversions

Conversions Part 1

Format	Color
Hex	BCED79
RGB	188, 237, 121
RGB Percent	74%, 93%, 47%
CMY	0.2628, 0.0706, 0.5255
CMYK	0.21, 0.00, 0.49, 0.07
HSL	85°, 76%, 70%
HSV	85°, 49%, 93%
XYZ	54.4723, 72.6402, 29.2374
YIQ	209.1250, 8.0320, -46.4640

Conversions

Conversions Part 2

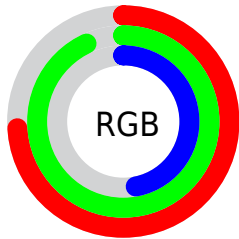
Format	Color
RYB	121, 237, 170
Decimal	12381561
CIELab	88.28, -34.15, 50.76
CIElCh	88, 61.173, 123.930
Yxy	72.6402, 0.3484, 0.4646
Android (android.graphics.Color)	4290571641 (0xFFBCED79)
YUV	209.1250, -43.4456, -18.5266
Hunter-Lab	85.2292, -35.0669, 39.3213

Details

The Yxy color **72.6402, 0.3484, 0.4646** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **28.3369, 0.2570, 0.1882**, and the grayscale version is **64.1318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2474, 0.3535, 0.4083**, and **38.3706, 0.3522, 0.4990** is the 20% darker color. If you saturate the color by 10%, you get **70.9036, 0.3526, 0.4920**, and if you desaturate by 10%, it is **74.6143, 0.3426, 0.4357**.

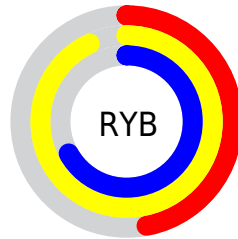
Distribution



Red (74%)

Green (93%)

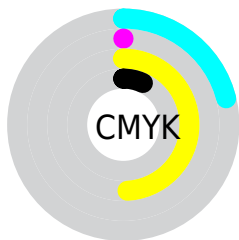
Blue (47%)



Red (47%)

Yellow (93%)

Blue (67%)

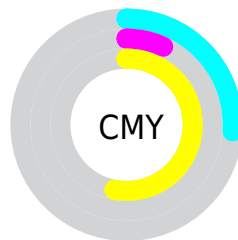


Cyan (21%)

Magenta (0%)

Yellow (49%)

Black (7%)



Cyan (26%)


Magenta (7%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6402, 0.3484, 0.4646 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 72.6402, 0.3484, 0.4646 by changing the saturation by 10% instead.

 72.6402, 0.3484,
0.4646


 72.6402, 0.3484,
0.4646


469.7669, 0.3350,
0.3994

 53.6818, 0.3504,
0.4797


 122.9663, 0.3446,
0.4417

 38.3473, 0.3522,
0.4983


 155.1028, 0.3428,
0.4329

 26.2524, 0.3535,
0.5216


 192.4008, 0.3412,
0.4253

 17.0125, 0.3531,
0.5513

235.2446, 0.3398,
0.4187

 10.2434, 0.3490,
0.5895

284.0188, 0.3384,
0.4130

 5.5607, 0.3448,
0.6552

339.1076, 0.3372,

 2.5798, 0.3017,

0.4079

0.6983

400.8955, 0.3361,
0.4034

0.9165, 0.0391,
0.9609

0.0000, 0.0000,
0.0000

72.6402, 0.3484,
0.4646

72.6402, 0.3484,
0.4646

70.9036, 0.3526,
0.4920

74.6143, 0.3426,
0.4357

69.3825, 0.3547,
0.5165


76.8275, 0.3356,
0.4066


68.0660, 0.3545,
0.5368


79.2936, 0.3279,
0.3782

66.9380, 0.3519,
0.5520

82.0222, 0.3199,
0.3514

 65.9747, 0.3473,
0.5620

 85.0224, 0.3119,
0.3265

 65.8798, 0.3467,
0.5629

 87.7632, 0.3090,
0.3114

 89.0529, 0.3135,
0.3117

Harmonies

Analogous

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



72.6402, 0.4129, 0.4468



72.6402, 0.3484, 0.4646



72.6402, 0.2779, 0.4324

Triad

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



72.6402, 0.3484, 0.4646



72.6402, 0.1875, 0.2373



72.6402, 0.4087, 0.2935

Complementary

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



72.6402, 0.3484, 0.4646



28.3369, 0.2570, 0.1882

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.



72.6402, 0.3361, 0.2502



72.6402, 0.3484, 0.4646



72.6402, 0.2127, 0.2177

Square

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



72.6402, 0.3484, 0.4646



72.6402, 0.1897, 0.2859



72.6402, 0.2643, 0.2232



72.6402, 0.4535, 0.3461

Rectangle

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



72.6402, 0.3484, 0.4646



72.6402, 0.2372, 0.3861



72.6402, 0.2643, 0.2232



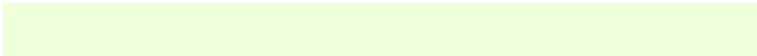
72.6402, 0.3862, 0.2777

Sweetspot

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



72.6434, 0.3484, 0.4646



94.8393, 0.3248, 0.3676



47.8872, 0.4208, 0.3829



20.1567, 0.3265, 0.3734



0.0000, 0.0000, 0.0000



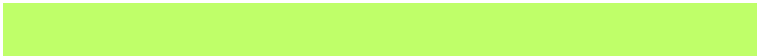
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6434, 0.3484, 0.4646



83.6629, 0.3527, 0.4928



66.7519, 0.3108, 0.4820



17.2916, 0.3203, 0.3527



36.0442, 0.3478, 0.5620



2.8868, 0.3574, 0.5544

Inverse Universe

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



28.3369, 0.2570, 0.1882



25.5697, 0.2417, 0.1576



36.1754, 0.3092, 0.2075



14.8599, 0.3046, 0.3051



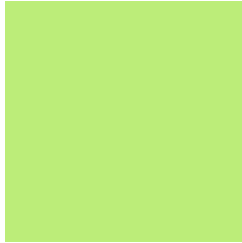
4.8953, 0.1883, 0.0811



0.4399, 0.2038, 0.0896

Previews

White Background



This preview shows how the Yxy color 72.6402, 0.3484, 0.4646 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 72.6402, 0.3484, 0.4646 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 72.6402, 0.3484, 0.4646

Background



This preview shows how black text looks on a background with the Yxy color 72.6402, 0.3484, 0.4646.

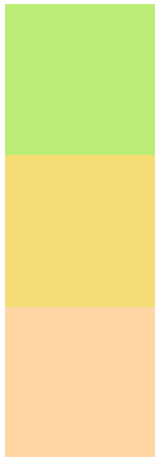


This preview shows how white text looks on a background with the Yxy color 72.6402, 0.3484, 0.4646.

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

72.6402, 0.3484, 0.4646

Protanopia

72.2070, 0.4007, 0.4363

Deuteranopia

72.0335, 0.3804, 0.3806



Tritanopia

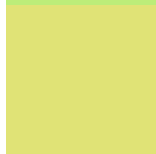
72.4996, 0.2887, 0.3104

Trichromacy



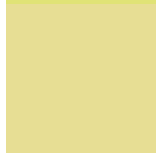
Original Color

72.6402, 0.3484, 0.4646



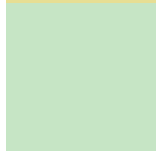
Protanomaly

72.0935, 0.3809, 0.4467



Deuteranomaly

71.3696, 0.3698, 0.4097



Tritanomaly

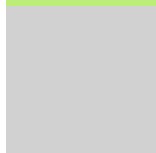
72.0756, 0.3117, 0.3659

Monochromacy



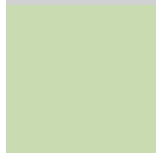
Original Color

72.6402, 0.3484, 0.4646



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.2549, 0.3278, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6402, 0.3484, 0.4646 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(188, 237, 121)` looks like.

```
.text, #text, p{  
    color:rgb(188, 237, 121)  
}
```

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(188, 237, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 237, 121) }
```

Border

The CSS property to change the border of an element to Yxy 72.6402, 0.3484, 0.4646 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(188, 237, 121) }
```

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

```
.border{ border-color:rgb(188, 237, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 237, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 237, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 237, 121);  
box-shadow:4px 4px 4px 4px rgb(188, 237,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6402, 0.3484, 0.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 237, 121) }
```

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

```
.background{ background-color: rgb(188,  
237, 121) }
```

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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