

Converting Colors

$Yxy(75.2348, 0.3541, 0.4836)$

Have a look what the booklet for
Yxy(75.2348, 0.3541, 0.4836)
contains.

Yxy(75.2362, 0.3541, 0.4836)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.2362, 0.3541, 0.4836)

Conversions

Conversions Part 1

Format	Color
Hex	BCF26A
RGB	188, 242, 106
RGB Percent	74%, 95%, 42%
CMY	0.2628, 0.0509, 0.5844
CMYK	0.22, 0.00, 0.56, 0.05
HSL	84°, 84%, 68%
HSV	84°, 56%, 95%
XYZ	55.0892, 75.2362, 25.2499
YIQ	210.3500, 11.4720, -53.7440

Conversions

Conversions Part 2

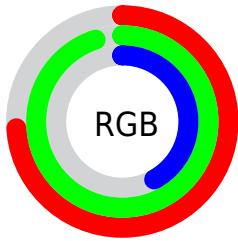
Format	Color
RYB	106, 242, 160
Decimal	12382826
CIELab	89.50, -37.87, 59.03
CIELCh	90, 70.134, 122.686
Yxy	75.2362, 0.3541, 0.4836
Android (android.graphics.Color)	4290572906 (0xFFBCF26A)
YUV	210.3500, -51.4445, -19.6009
Hunter-Lab	86.7388, -38.4247, 43.4577

Details

The Yxy color **75.2362, 0.3541, 0.4836** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **24.1919, 0.2433, 0.1649**, and the grayscale version is **65.0291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8674, 0.3628, 0.4228**, and **40.1821, 0.3567, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **73.6248, 0.3572, 0.5086**, and if you desaturate by 10%, it is **77.0776, 0.3490, 0.4560**.

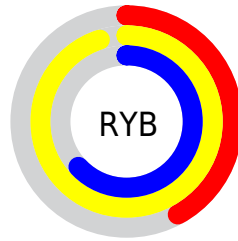
Distribution



Red (74%)

Green (95%)

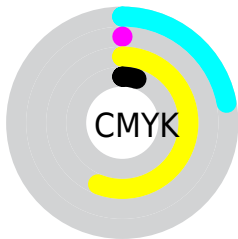
Blue (42%)



Red (42%)

Yellow (95%)

Blue (63%)

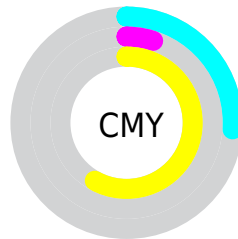


Cyan (22%)

Magenta (0%)

Yellow (56%)

Black (5%)



Cyan (26%)


Magenta (5%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2362, 0.3541, 0.4836 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 75.2362, 0.3541, 0.4836 by changing the saturation by 10% instead.


 75.2362, 0.3541,
0.4836


 75.2362, 0.3541,
0.4836


478.7290, 0.3395,
0.4100

 55.8064, 0.3559,
0.5003


 126.6467, 0.3502,
0.4580

 40.0477, 0.3573,
0.5205


 159.3961, 0.3483,
0.4481

 27.5758, 0.3576,
0.5454


 197.3543, 0.3465,
0.4395

 18.0061, 0.3555,
0.5762

 240.9055, 0.3449,
0.4320

 10.9544, 0.3488,
0.6155

290.4342, 0.3434,
0.4255

 6.0362, 0.3330,
0.6670


346.3247, 0.3420,

 2.8671, 0.2883,

0.4197

0.7117


408.9616, 0.3407,
0.4146

 1.0627, 0.0662,
0.9338


 0.0000, 0.0000,
0.0000


 75.2362, 0.3541,
0.4836

 75.2362, 0.3541,
0.4836


 73.6248, 0.3572,
0.5086


 77.0776, 0.3490,
0.4560


 72.2196, 0.3580,
0.5297


 79.1514, 0.3423,
0.4273

 71.0078, 0.3564,
0.5458


 81.4722, 0.3346,
0.3985


 69.9700, 0.3524,
0.5566

 84.0505, 0.3264,
0.3707

 69.6105, 0.3506,
0.5598

 86.8960, 0.3179,
0.3444

 90.0179, 0.3096,
0.3200

 91.9898, 0.3133,
0.3166

Harmonies

Analogous

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



75.2362, 0.4260, 0.4581



75.2362, 0.3541, 0.4836



75.2362, 0.2754, 0.4509

Triad

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



75.2362, 0.3541, 0.4836



75.2362, 0.1734, 0.2274



75.2362, 0.4184, 0.2864

Complementary

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



75.2362, 0.3541, 0.4836



24.1919, 0.2433, 0.1649

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.



75.2362, 0.3349, 0.2397



75.2362, 0.3541, 0.4836



75.2362, 0.1996, 0.2056

Square

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



75.2362, 0.3541, 0.4836



75.2362, 0.1766, 0.2820



75.2362, 0.2550, 0.2110



75.2362, 0.4708, 0.3435

Rectangle

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



75.2362, 0.3541, 0.4836



75.2362, 0.2298, 0.3978



75.2362, 0.2550, 0.2110



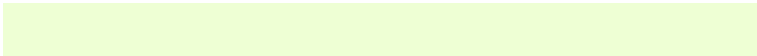
75.2362, 0.3922, 0.2693

Sweetspot

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



75.2395, 0.3541, 0.4836



94.3953, 0.3271, 0.3730



44.4172, 0.4461, 0.3850



20.0753, 0.3288, 0.3785



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.



75.2395, 0.3541, 0.4836



82.7452, 0.3574, 0.5108



68.6773, 0.3122, 0.5061



18.1277, 0.3207, 0.3528



37.4737, 0.3516, 0.5590



3.1751, 0.3604, 0.5520

Inverse Universe

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



24.1919, 0.2433, 0.1649



20.2601, 0.2261, 0.1340



32.9084, 0.3038, 0.1901



15.5350, 0.3042, 0.3050



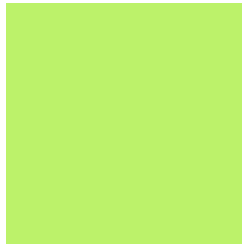
4.8574, 0.1841, 0.0788



0.4603, 0.1987, 0.0868

Previews

White Background



This preview shows how the Yxy color 75.2362, 0.3541, 0.4836 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 75.2362, 0.3541, 0.4836 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 75.2362, 0.3541, 0.4836

Background



This preview shows how black text looks on a background with the Yxy color 75.2362, 0.3541, 0.4836.



This preview shows how white text looks on a background with the Yxy color 75.2362, 0.3541, 0.4836.

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

75.2362, 0.3541, 0.4836

Protanopia

74.9297, 0.4106, 0.4502

Deuteranopia

74.3814, 0.3732, 0.3764



Tritanopia

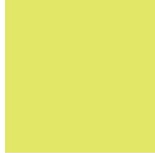
74.6526, 0.2878, 0.3095

Trichromacy



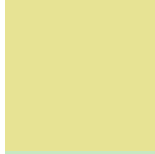
Original Color

75.2362, 0.3541, 0.4836



Protanomaly

74.4620, 0.3893, 0.4623



Deuteranomaly

74.0652, 0.3681, 0.4145



Tritanomaly

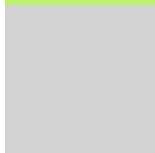
73.7504, 0.3140, 0.3727

Monochromacy



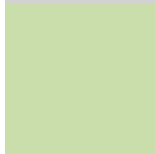
Original Color

75.2362, 0.3541, 0.4836



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.7777, 0.3315, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2362, 0.3541, 0.4836 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, 242, 106)` looks like.

```
.text, #text, p{  
    color:rgb(188, 242, 106)  
}
```

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, 242, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 242, 106) }
```

Border

The CSS property to change the border of an element to Yxy 75.2362, 0.3541, 0.4836 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, 242, 106) }
```

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

```
.border{ border-color:rgb(188, 242, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 242, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 242, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 242, 106);  
box-shadow:4px 4px 4px 4px rgb(188, 242,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2362, 0.3541, 0.4836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 242, 106) }
```

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

```
.background{ background-color: rgb(188,  
242, 106) }
```

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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