

Converting Colors

$Yxy(75.5572, 0.3553, 0.4802)$

Have a look what the booklet for
Yxy(75.5572, 0.3553, 0.4802)
contains.

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Color

Yxy(75.6633, 0.3553, 0.4806)

Conversions

Conversions Part 1

Format	Color
Hex	BFF26C
RGB	191, 242, 108
RGB Percent	75%, 95%, 42%
CMY	0.2511, 0.0509, 0.5766
CMYK	0.21, 0.00, 0.55, 0.05
HSL	83°, 84%, 69%
HSV	83°, 55%, 95%
XYZ	55.9367, 75.6633, 25.8351
YIQ	211.4750, 12.6180, -52.4860

Conversions

Conversions Part 2

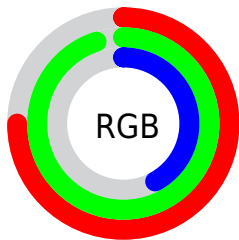
Format	Color
RYB	108, 242, 159
Decimal	12579436
CIELab	89.70, -36.61, 58.43
CIELCh	90, 68.950, 122.068
Yxy	75.6633, 0.3553, 0.4806
Android (android.graphics.Color)	4290769516 (0xFFBFF26C)
YUV	211.4750, -51.0132, -17.9566
Hunter-Lab	86.9847, -37.4363, 43.2797

Details

The Yxy color **75.6633, 0.3553, 0.4806** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **24.5045, 0.2427, 0.1666**, and the grayscale version is **65.8058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4883, 0.3638, 0.4202**, and **40.4432, 0.3586, 0.5174** is the 20% darker color. If you saturate the color by 10%, you get **74.0636, 0.3589, 0.5055**, and if you desaturate by 10%, it is **77.4879, 0.3497, 0.4532**.

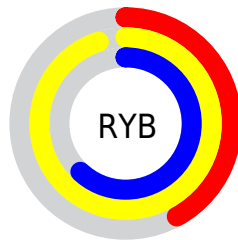
Distribution



Red (75%)

Green (95%)

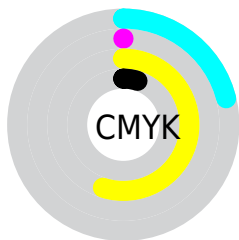
Blue (42%)



Red (42%)

Yellow (95%)

Blue (62%)

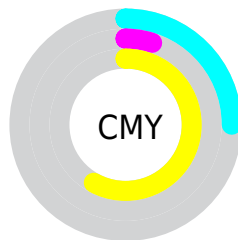


Cyan (21%)

Magenta (0%)

Yellow (55%)

Black (5%)



Cyan (25%)


Magenta (5%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6633, 0.3553, 0.4806 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 75.6633, 0.3553, 0.4806 by changing the saturation by 10% instead.


 75.6633, 0.3553,
0.4806


 75.6633, 0.3553,
0.4806

480.1943, 0.3399,
0.4086

 56.1565, 0.3574,
0.4969


 127.2509, 0.3511,
0.4556


 40.3284, 0.3591,
0.5166


 160.1003, 0.3491,
0.4459

 27.7947, 0.3598,
0.5409


 198.1662, 0.3473,
0.4375

 18.1709, 0.3583,
0.5711

 241.8328, 0.3455,
0.4302

 11.0728, 0.3524,
0.6090

291.4845, 0.3440,
0.4238

 6.1158, 0.3390,
0.6610

347.5057, 0.3425,

 2.9156, 0.2961,

0.4181

0.7039

410.2809, 0.3412,
0.4131

■ 1.0878, 0.1048,
0.8952

■ 0.0000, 0.0000,
0.0000

■ 75.6633, 0.3553,
0.4806

■ 75.6633, 0.3553,
0.4806

■ 74.0636, 0.3589,
0.5055

■ 77.4879, 0.3497,
0.4532

■ 72.6652, 0.3601,
0.5266


■ 79.5394, 0.3427,
0.4246


■ 71.4559, 0.3589,
0.5429

■ 81.8322, 0.3347,
0.3960

■ 70.4167, 0.3553,
0.5540

■ 84.3766, 0.3261,
0.3684

 69.9818, 0.3531,
0.5578

 87.1821, 0.3174,
0.3423

 90.2576, 0.3088,
0.3181

 91.9929, 0.3133,
0.3166

Harmonies

Analogous

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



75.6633, 0.4256, 0.4552



75.6633, 0.3553, 0.4806



75.6633, 0.2778, 0.4496

Triad

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



75.6633, 0.3553, 0.4806



75.6633, 0.1753, 0.2300



75.6633, 0.4149, 0.2861

Complementary

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



75.6633, 0.3553, 0.4806



24.5045, 0.2427, 0.1666

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.



75.6633, 0.3328, 0.2403



75.6633, 0.3553, 0.4806



75.6633, 0.2006, 0.2077

Square

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



75.6633, 0.3553, 0.4806



75.6633, 0.1791, 0.2845



75.6633, 0.2547, 0.2125



75.6633, 0.4674, 0.3424

Rectangle

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



75.6633, 0.3553, 0.4806



75.6633, 0.2326, 0.3983



75.6633, 0.2547, 0.2125



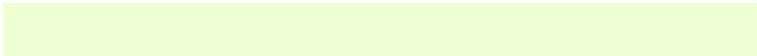
75.6633, 0.3891, 0.2693

Sweetspot

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



75.6666, 0.3553, 0.4806



94.5179, 0.3276, 0.3729



44.1171, 0.4450, 0.3819



20.1043, 0.3293, 0.3784



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.



75.6666, 0.3553, 0.4806



83.2668, 0.3591, 0.5074



69.0189, 0.3135, 0.5027



18.1409, 0.3210, 0.3527



37.6706, 0.3542, 0.5570



3.1907, 0.3627, 0.5502

Inverse Universe

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



24.5045, 0.2427, 0.1666



20.5480, 0.2255, 0.1356



33.0012, 0.3019, 0.1910



15.5221, 0.3039, 0.3050



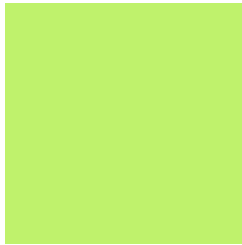
4.7433, 0.1815, 0.0773



0.4500, 0.1961, 0.0854

Previews

White Background



This preview shows how the Yxy color 75.6633, 0.3553, 0.4806 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 75.6633, 0.3553, 0.4806 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 75.6633, 0.3553, 0.4806

Background



This preview shows how black text looks on a background with the Yxy color 75.6633, 0.3553, 0.4806.

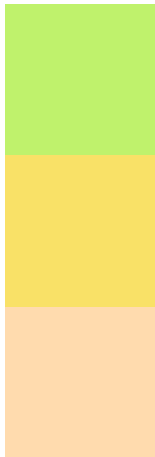


This preview shows how white text looks on a background with the Yxy color 75.6633, 0.3553, 0.4806.

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

75.6633, 0.3553, 0.4806

Protanopia

74.9694, 0.4096, 0.4486

Deuteranopia

74.9790, 0.3714, 0.3753



Tritanopia

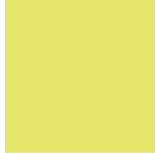
75.1473, 0.2891, 0.3086

Trichromacy



Original Color

75.6633, 0.3553, 0.4806



Protanomaly

74.6657, 0.3891, 0.4602



Deuteranomaly

74.2960, 0.3676, 0.4122



Tritanomaly

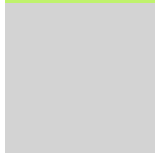
74.2553, 0.3148, 0.3701

Monochromacy



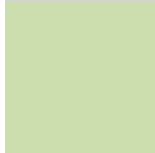
Original Color

75.6633, 0.3553, 0.4806



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.1359, 0.3316, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6633, 0.3553, 0.4806 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(191, 242, 108)` looks like.

```
.text, #text, p{  
    color:rgb(191, 242, 108)  
}
```

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(191, 242, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 242, 108) }
```

Border

The CSS property to change the border of an element to Yxy 75.6633, 0.3553, 0.4806 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(191, 242, 108) }
```

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

```
.border{ border-color:rgb(191, 242, 108) }
```

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

Here you see how a box with a 4 pixel rgb(191, 242, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 242, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 242, 108);  
box-shadow:4px 4px 4px 4px rgb(191, 242,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6633, 0.3553, 0.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 242, 108) }
```

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

```
.background{ background-color: rgb(191,  
242, 108) }
```

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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