

Converting Colors

$Yxy(76.9037, 0.3573, 0.4808)$

Have a look what the booklet for
Yxy(76.9037, 0.3573, 0.4808)
contains.

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Color

Yxy(76.6532, 0.3571, 0.4802)

Conversions

Conversions Part 1

Format	Color
Hex	C2F36C
RGB	194, 243, 108
RGB Percent	76%, 95%, 42%
CMY	0.2392, 0.0470, 0.5766
CMYK	0.20, 0.00, 0.56, 0.05
HSL	82°, 85%, 69%
HSV	82°, 56%, 95%
XYZ	57.0030, 76.6532, 25.9714
YIQ	212.9590, 14.1310, -52.3730

Conversions

Conversions Part 2

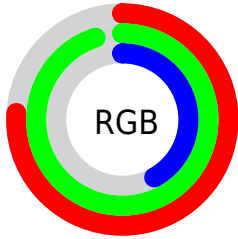
Format	Color
RYB	108, 243, 157
Decimal	12776300
CIELab	90.16, -35.94, 59.00
CIELCh	90, 69.087, 121.346
Yxy	76.6532, 0.3571, 0.4802
Android (android.graphics.Color)	4290966380 (0xFFC2F36C)
YUV	212.9590, -51.7448, -16.6270
Hunter-Lab	87.5518, -36.9983, 43.6985

Details

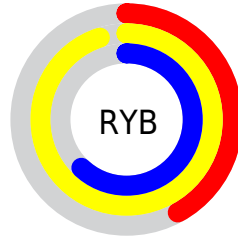
The Yxy color **76.6532, 0.3571, 0.4802** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **24.3596, 0.2404, 0.1652**, and the grayscale version is **66.8558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0470, 0.3658, 0.4195**, and **41.1161, 0.3608, 0.5163** is the 20% darker color. If you saturate the color by 10%, you get **75.0767, 0.3609, 0.5047**, and if you desaturate by 10%, it is **78.4500, 0.3513, 0.4531**.

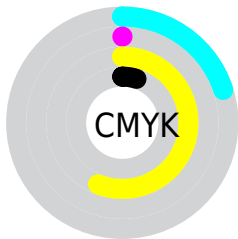
Distribution



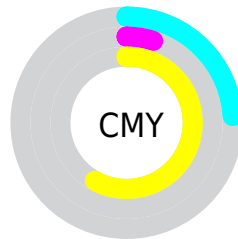
- Red (76%)
- Green (95%)
- Blue (42%)



- Red (42%)
- Yellow (95%)
- Blue (62%)



- Cyan (20%)
- Magenta (0%)
- Yellow (56%)
- Black (5%)





- Cyan (24%)
- Magenta (5%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6532, 0.3571, 0.4802 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 76.6532, 0.3571, 0.4802 by changing the saturation by 10% instead.


 76.6532, 0.3571,
0.4802


 76.6532, 0.3571,
0.4802


483.5808, 0.3410,
0.4087

 56.9683, 0.3593,
0.4963

 128.6498, 0.3526,
0.4555

 40.9798, 0.3612,
0.5158


 161.7303, 0.3505,
0.4458

 28.3033, 0.3622,
0.5397


 200.0448, 0.3486,
0.4374

 18.5544, 0.3611,
0.5691

 243.9777, 0.3468,
0.4302

 11.3487, 0.3557,
0.6061

293.9133, 0.3452,
0.4238

 6.3019, 0.3433,
0.6567


350.2361, 0.3437,


 3.0295, 0.3021,


0.4182


0.6979

413.3305, 0.3423,
0.4132

 1.1472, 0.1433,
0.8567

 0.0179, 0.0000,
1.0000


 76.6532, 0.3571,
0.4802


 76.6532, 0.3571,
0.4802

 75.0767, 0.3609,
0.5047


 78.4500, 0.3513,
0.4531

 73.6967, 0.3624,
0.5254


 80.4688, 0.3439,
0.4248

 72.5010, 0.3614,
0.5413

 82.7242, 0.3356,
0.3964

 71.4708, 0.3580,
0.5520

 85.2262, 0.3267,
0.3688

 71.0545, 0.3560,
0.5555

 87.9843, 0.3177,
0.3427

 91.0074, 0.3088,
0.3185

 92.5860, 0.3133,
0.3175

Harmonies

Analogous

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



76.6532, 0.4268, 0.4539



76.6532, 0.3571, 0.4802



76.6532, 0.2797, 0.4507

Triad

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



76.6532, 0.3571, 0.4802



76.6532, 0.1753, 0.2311



76.6532, 0.4129, 0.2850

Complementary

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



76.6532, 0.3571, 0.4802



24.3596, 0.2404, 0.1652

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.



76.6532, 0.3307, 0.2396



76.6532, 0.3571, 0.4802



76.6532, 0.1999, 0.2081

Square

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



76.6532, 0.3571, 0.4802



76.6532, 0.1799, 0.2863



76.6532, 0.2532, 0.2123



76.6532, 0.4663, 0.3410

Rectangle

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



76.6532, 0.3571, 0.4802



76.6532, 0.2342, 0.4002



76.6532, 0.2532, 0.2123



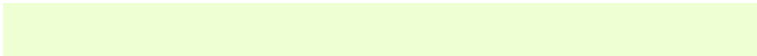
76.6532, 0.3870, 0.2683

Sweetspot

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



76.6566, 0.3571, 0.4802



94.6525, 0.3281, 0.3728



43.6606, 0.4473, 0.3797



20.1362, 0.3299, 0.3783



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.



76.6566, 0.3571, 0.4802



83.4975, 0.3613, 0.5083



69.7955, 0.3147, 0.5027



18.9953, 0.3212, 0.3528



39.0732, 0.3570, 0.5548



3.4921, 0.3648, 0.5486

Inverse Universe

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



24.3596, 0.2404, 0.1652



19.7104, 0.2215, 0.1318



32.8410, 0.2997, 0.1897



16.2195, 0.3036, 0.3049



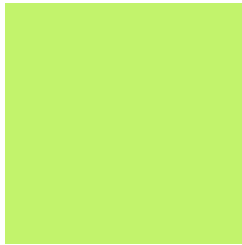
4.7652, 0.1787, 0.0758



0.4748, 0.1924, 0.0834

Previews

White Background



This preview shows how the Yxy color 76.6532, 0.3571, 0.4802 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 76.6532, 0.3571, 0.4802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

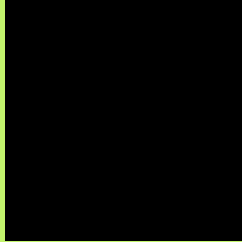
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6532, 0.3571, 0.4802

Background



This preview shows how black text looks on a background with the Yxy color 76.6532, 0.3571, 0.4802.



This preview shows how white text looks on a background with the Yxy color 76.6532, 0.3571, 0.4802.

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

76.6532, 0.3571, 0.4802

Protanopia

75.8812, 0.4105, 0.4487

Deuteranopia

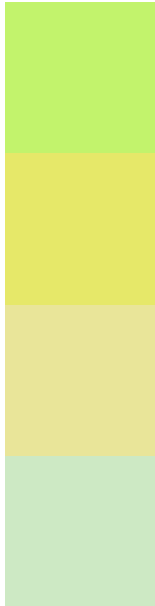
76.1873, 0.3680, 0.3731



Tritanopia

76.1993, 0.2904, 0.3087

Trichromacy



Original Color

76.6532, 0.3571, 0.4802

Protanomaly

75.5561, 0.3901, 0.4602

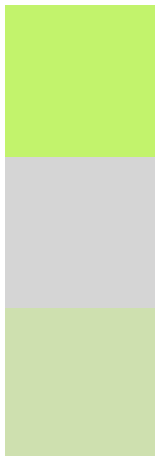
Deuteranomaly

75.6622, 0.3657, 0.4107

Tritanomaly

75.2425, 0.3168, 0.3709

Monochromacy



Original Color

76.6532, 0.3571, 0.4802

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

69.5283, 0.3321, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6532, 0.3571, 0.4802 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(194, 243, 108)` looks like.

```
.text, #text, p{  
    color:rgb(194, 243, 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(194, 243, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 243, 108) }
```

Border

The CSS property to change the border of an element to Yxy 76.6532, 0.3571, 0.4802 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(194, 243, 108) }
```

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

```
.border{ border-color:rgb(194, 243, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 243, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 243, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 243, 108);  
box-shadow:4px 4px 4px 4px rgb(194, 243,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6532, 0.3571, 0.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 243, 108) }
```

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

```
.background{ background-color: rgb(194,  
243, 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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