

Converting Colors

$Yxy(77.9365, 0.3472, 0.4590)$

Have a look what the booklet for
Yxy(77.9365, 0.3472, 0.4590)
contains.

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Color

Yxy(77.9152, 0.3467, 0.4587)

Conversions

Conversions Part 1

Format	Color
Hex	C3F482
RGB	195, 244, 130
RGB Percent	76%, 96%, 51%
CMY	0.2352, 0.0431, 0.4902
CMYK	0.20, 0.00, 0.47, 0.04
HSL	86°, 84%, 73%
HSV	86°, 47%, 96%
XYZ	58.8908, 77.9152, 33.0549
YIQ	216.3530, 7.3900, -45.8420

Conversions

Conversions Part 2

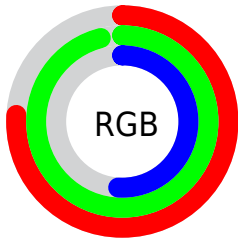
Format	Color
RYB	130, 244, 179
Decimal	12842114
CIELab	90.74, -33.83, 49.62
CIELCh	91, 60.056, 124.288
Yxy	77.9152, 0.3467, 0.4587
Android (android.graphics.Color)	4291032194 (0xFFC3F482)
YUV	216.3530, -42.5720, -18.7266
Hunter-Lab	88.2696, -35.3820, 39.5860

Details

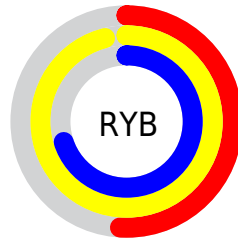
The Yxy color **77.9152, 0.3467, 0.4587** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **32.0793, 0.2608, 0.1950**, and the grayscale version is **69.2203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9054, 0.3530, 0.3982**, and **41.9912, 0.3505, 0.4911** is the 20% darker color. If you saturate the color by 10%, you get **75.9912, 0.3512, 0.4867**, and if you desaturate by 10%, it is **80.0994, 0.3407, 0.4295**.

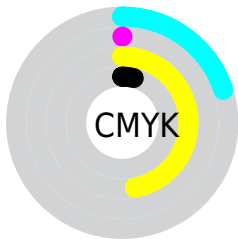
Distribution



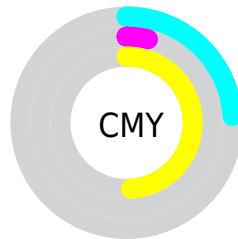
- Red (76%)
- Green (96%)
- Blue (51%)



- Red (51%)
- Yellow (96%)
- Blue (70%)



- Cyan (20%)
- Magenta (0%)
- Yellow (47%)
- Black (4%)





- Cyan (24%)
- Magenta (4%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9152, 0.3467, 0.4587 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 77.9152, 0.3467, 0.4587 by changing the saturation by 10% instead.


 77.9152, 0.3467,
0.4587


 77.9152, 0.3467,
0.4587


487.8788, 0.3340,
0.3970

 58.0043, 0.3487,
0.4728


 130.4306, 0.3430,
0.4372

 41.8121, 0.3505,
0.4902


 163.8039, 0.3414,
0.4288

 28.9542, 0.3520,
0.5119


 202.4334, 0.3398,
0.4217

 19.0462, 0.3523,
0.5396

246.7036, 0.3385,
0.4154

 11.7037, 0.3498,
0.5752

296.9988, 0.3372,
0.4100

 6.5422, 0.3457,
0.6314

353.7035, 0.3360,

 3.1775, 0.3161,

0.4051

0.6839

417.2020, 0.3350,
0.4009

■ 1.2251, 0.1990,
0.8010

■ 0.0821, 0.0000,
1.0000

■ 77.9152, 0.3467,
0.4587

■ 77.9152, 0.3467,
0.4587

■ 75.9912, 0.3512,
0.4867

■ 80.0994, 0.3407,
0.4295

■ 74.3041, 0.3537,
0.5122

■ 82.5456, 0.3336,
0.4004

■ 72.8424, 0.3539,
0.5336


■ 85.2682, 0.3259,
0.3722

■ 71.5894, 0.3517,
0.5500

■ 88.2777, 0.3180,
0.3457

 70.5240, 0.3472,
0.5610

 91.5837, 0.3102,
0.3212

 70.2052, 0.3456,
0.5638

 93.1812, 0.3132,
0.3185

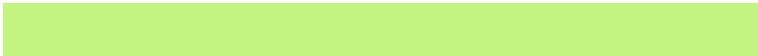
Harmonies

Analogous

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



77.9152, 0.4089, 0.4430



77.9152, 0.3467, 0.4587



77.9152, 0.2789, 0.4270

Triad

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



77.9152, 0.3467, 0.4587



77.9152, 0.1919, 0.2405



77.9152, 0.4056, 0.2956

Complementary

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



77.9152, 0.3467, 0.4587



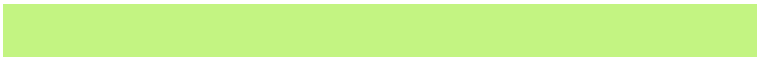
32.0793, 0.2608, 0.1950

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.



77.9152, 0.3362, 0.2534



77.9152, 0.3467, 0.4587



77.9152, 0.2168, 0.2215

Square

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



77.9152, 0.3467, 0.4587



77.9152, 0.1939, 0.2872



77.9152, 0.2670, 0.2271



77.9152, 0.4481, 0.3467

Rectangle

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



77.9152, 0.3467, 0.4587



77.9152, 0.2397, 0.3828



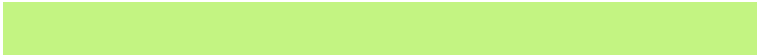
77.9152, 0.2670, 0.2271



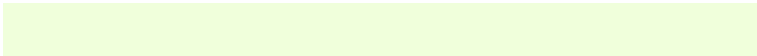
77.9152, 0.3841, 0.2802

Sweetspot

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



77.9186, 0.3467, 0.4587



95.1166, 0.3238, 0.3649



52.4881, 0.4145, 0.3807



20.2099, 0.3255, 0.3708



0.0000, 0.0000, 0.0000



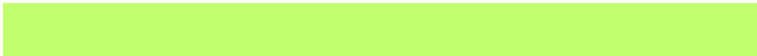
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9186, 0.3467, 0.4587



84.1176, 0.3510, 0.4851



71.8455, 0.3110, 0.4743



18.9385, 0.3202, 0.3529



38.2562, 0.3466, 0.5630



3.4229, 0.3554, 0.5560

Inverse Universe

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



32.0793, 0.2608, 0.1950



27.7994, 0.2471, 0.1666



40.0754, 0.3095, 0.2123



16.2748, 0.3047, 0.3050



5.2558, 0.1893, 0.0817



0.5213, 0.2033, 0.0893

Previews

White Background



This preview shows how the Yxy color 77.9152, 0.3467, 0.4587 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 77.9152, 0.3467, 0.4587 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

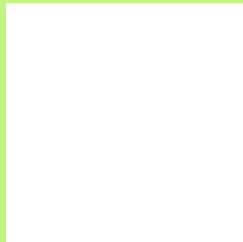
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9152, 0.3467, 0.4587

Background



This preview shows how black text looks on a background with the Yxy color 77.9152, 0.3467, 0.4587.

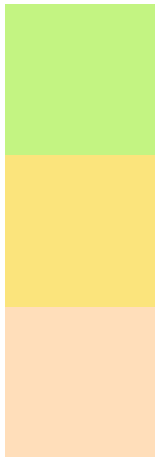


This preview shows how white text looks on a background with the Yxy color 77.9152, 0.3467, 0.4587.

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

77.9152, 0.3467, 0.4587

Protanopia

77.4513, 0.3978, 0.4330

Deuteranopia

77.0477, 0.3620, 0.3659



Tritanopia

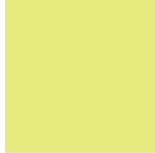
77.8403, 0.2888, 0.3099

Trichromacy



Original Color

77.9152, 0.3467, 0.4587



Protanomaly

77.3409, 0.3787, 0.4428



Deuteranomaly

76.6704, 0.3569, 0.3979



Tritanomaly

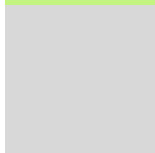
77.4263, 0.3105, 0.3625

Monochromacy



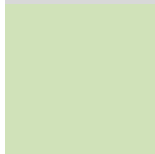
Original Color

77.9152, 0.3467, 0.4587



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.3054, 0.3267, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9152, 0.3467, 0.4587 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(195, 244, 130)` looks like.

```
.text, #text, p{  
    color:rgb(195, 244, 130)  
}
```

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(195, 244, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 244, 130) }
```

Border

The CSS property to change the border of an element to Yxy 77.9152, 0.3467, 0.4587 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(195, 244, 130) }
```

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

```
.border{ border-color:rgb(195, 244, 130) }
```

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

Here you see how a box with a 4 pixel rgb(195, 244, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 244, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 244, 130);  
box-shadow:4px 4px 4px 4px rgb(195, 244,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9152, 0.3467, 0.4587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 244, 130) }
```

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

```
.background{ background-color: rgb(195,  
244, 130) }
```

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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