

Converting Colors

$Yxy(80.4294, 0.3584, 0.4539)$

Have a look what the booklet for
Yxy(80.4294, 0.3584, 0.4539)
contains.

Yxy(80.3101, 0.3587, 0.4534)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.3101, 0.3587, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	D4F482
RGB	212, 244, 130
RGB Percent	83%, 96%, 51%
CMY	0.1686, 0.0431, 0.4901
CMYK	0.13, 0.00, 0.47, 0.04
HSL	77°, 84%, 73%
HSV	77°, 47%, 96%
XYZ	63.5360, 80.3101, 33.2825
YIQ	221.4360, 17.5220, -42.2380

Conversions

Conversions Part 2

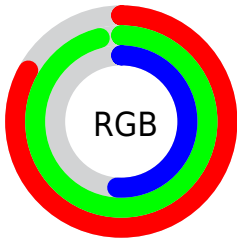
Format	Color
RYB	130, 244, 162
Decimal	13956226
CIELab	91.82, -27.57, 51.18
CIELCh	92, 58.134, 118.315
Yxy	80.3101, 0.3587, 0.4534
Android (android.graphics.Color)	4292146306 (0xFFD4F482)
YUV	221.4360, -45.0779, -8.2754
Hunter-Lab	89.6159, -30.2746, 40.7114

Details

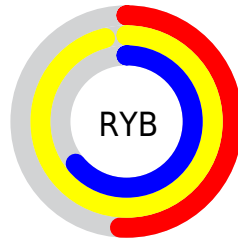
The Yxy color **80.3101, 0.3587, 0.4534** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **30.1894, 0.2470, 0.1902**, and the grayscale version is **72.9484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **43.4708, 0.3649, 0.4831** is the 20% darker color. If you saturate the color by 10%, you get **78.7377, 0.3658, 0.4788**, and if you desaturate by 10%, it is **82.0882, 0.3500, 0.4264**.

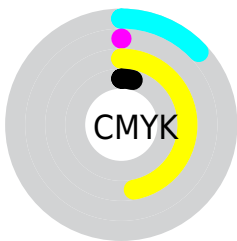
Distribution



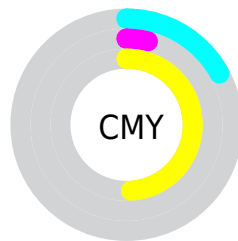
- Red (83%)
- Green (96%)
- Blue (51%)



- Red (51%)
- Yellow (96%)
- Blue (64%)



- Cyan (13%)
- Magenta (0%)
- Yellow (47%)
- Black (4%)





- Cyan (17%)
- Magenta (4%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3101, 0.3587, 0.4534 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 80.3101, 0.3587, 0.4534 by changing the saturation by 10% instead.

 80.3101, 0.3587,
0.4534

 80.3101, 0.3587,
0.4534


495.9773, 0.3404,
0.3953

 59.9736, 0.3619,
0.4664


 133.8016, 0.3531,
0.4334

 43.3973, 0.3654,
0.4823


 167.7254, 0.3507,
0.4255

 30.1970, 0.3688,
0.5019


 206.9471, 0.3485,
0.4187

 19.9882, 0.3717,
0.5264

251.8510, 0.3466,
0.4128

 12.3864, 0.3727,
0.5574

302.8216, 0.3448,
0.4076

 7.0074, 0.3734,
0.6044

360.2432, 0.3432,

 3.4667, 0.3528,

0.4031

0.6472

424.5003, 0.3418,
0.3990

■ 1.3800, 0.2927,
0.7073

■ 0.2019, 0.0000,
1.0000

■ 80.3101, 0.3587,
0.4534

■ 80.3101, 0.3587,
0.4534

■ 78.7377, 0.3658,
0.4788

■ 82.0882, 0.3500,
0.4264

■ 77.3485, 0.3708,
0.5013

■ 84.0719, 0.3403,
0.3988


■ 76.1330, 0.3733,
0.5197


■ 86.2744, 0.3300,
0.3716


■ 75.0758, 0.3733,
0.5335


■ 88.7047, 0.3196,
0.3456

 74.1577, 0.3708,
0.5424

 91.3714, 0.3094,
0.3211

 73.8760, 0.3697,
0.5447

 92.8240, 0.3120,
0.3184

 93.1819, 0.3132,
0.3185

Harmonies

Analogous

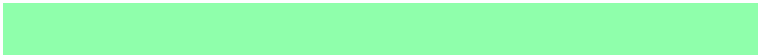
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3101, 0.4152, 0.4320



80.3101, 0.3587, 0.4534



80.3101, 0.2931, 0.4322

Triad

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



80.3101, 0.3587, 0.4534



80.3101, 0.1945, 0.2509



80.3101, 0.3897, 0.2880

Complementary

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



80.3101, 0.3587, 0.4534



30.1894, 0.2470, 0.1902

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.



80.3101, 0.3214, 0.2496



80.3101, 0.3587, 0.4534



80.3101, 0.2135, 0.2272

Square

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



80.3101, 0.3587, 0.4534



80.3101, 0.2018, 0.3013



80.3101, 0.2575, 0.2279



80.3101, 0.4374, 0.3364

Rectangle

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



80.3101, 0.3587, 0.4534



80.3101, 0.2531, 0.3942



80.3101, 0.2575, 0.2279



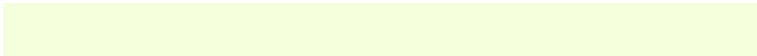
80.3101, 0.3680, 0.2737

Sweetspot

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



80.3137, 0.3587, 0.4534



96.0592, 0.3272, 0.3645



46.1350, 0.4240, 0.3624



20.4403, 0.3295, 0.3703



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.



80.3137, 0.3587, 0.4534



87.1295, 0.3654, 0.4774



73.4450, 0.3212, 0.4698



19.0662, 0.3225, 0.3527



40.2415, 0.3705, 0.5440



3.5883, 0.3768, 0.5390

Inverse Universe

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



30.1894, 0.2470, 0.1902



25.5549, 0.2304, 0.1597



37.3203, 0.2941, 0.2069



16.1518, 0.3023, 0.3048



4.2882, 0.1678, 0.0698



0.4264, 0.1806, 0.0769

Previews

White Background



This preview shows how the Yxy color 80.3101, 0.3587, 0.4534 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 80.3101, 0.3587, 0.4534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

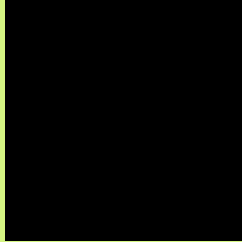
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3101, 0.3587, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 80.3101, 0.3587, 0.4534.



This preview shows how white text looks on a background with the Yxy color 80.3101, 0.3587, 0.4534.

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

80.3101, 0.3587, 0.4534

Protanopia

79.7290, 0.3974, 0.4328

Deuteranopia

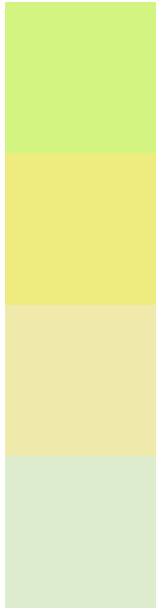
79.5928, 0.3546, 0.3606



Tritanopia

80.3223, 0.2990, 0.3105

Trichromacy



Original Color

80.3101, 0.3587, 0.4534

Protanomaly

79.8739, 0.3833, 0.4410

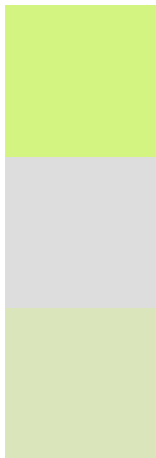
Deuteranomaly

79.5688, 0.3573, 0.3944

Tritanomaly

79.9767, 0.3220, 0.3614

Monochromacy



Original Color

80.3101, 0.3587, 0.4534

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

74.5749, 0.3316, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3101, 0.3587, 0.4534 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(212, 244, 130)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 244, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 244, 130) }
```

Border

The CSS property to change the border of an element to Yxy 80.3101, 0.3587, 0.4534 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(212, 244, 130) }
```

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

```
.border{ border-color:rgb(212, 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(212, 244, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 244, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 244, 130);  
box-shadow:4px 4px 4px 4px rgb(212, 244,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3101, 0.3587, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 244, 130) }
```

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

```
.background{ background-color: rgb(212,  
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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