

Converting Colors

$Yxy(81.4419, 0.3632, 0.4563)$

Have a look what the booklet for
Yxy(81.4419, 0.3632, 0.4563)
contains.

Yxy(81.4361, 0.3628, 0.4559)	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(81.4361, 0.3628, 0.4559)

Conversions

Conversions Part 1

Format	Color
Hex	D8F57F
RGB	216, 245, 127
RGB Percent	85%, 96%, 50%
CMY	0.1529, 0.0392, 0.5019
CMYK	0.12, 0.00, 0.48, 0.04
HSL	75°, 86%, 73%
HSV	75°, 48%, 96%
XYZ	64.8059, 81.4361, 32.3851
YIQ	222.8770, 20.5940, -42.8460

Conversions

Conversions Part 2

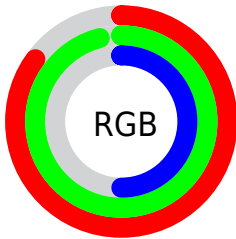
Format	Color
RYB	127, 245, 156
Decimal	14218623
CIELab	92.33, -26.84, 53.26
CIElCh	92, 59.646, 116.746
Yxy	81.4361, 0.3628, 0.4559
Android (android.graphics.Color)	4292408703 (0xFFD8F57F)
YUV	222.8770, -47.2674, -6.0311
Hunter-Lab	90.2420, -29.7363, 41.8920

Details

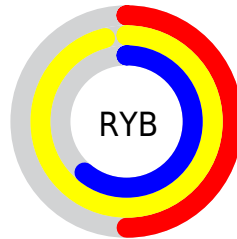
The Yxy color **81.4361, 0.3628, 0.4559** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **28.8427, 0.2413, 0.1842**, and the grayscale version is **74.0356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **44.2605, 0.3697, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **79.9764, 0.3702, 0.4803**, and if you desaturate by 10%, it is **83.0919, 0.3537, 0.4296**.

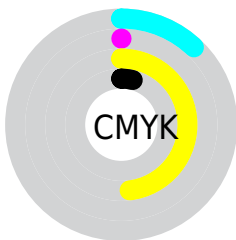
Distribution



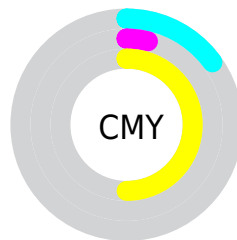
- Red (85%)
- Green (96%)
- Blue (50%)



- Red (50%)
- Yellow (96%)
- Blue (61%)



- Cyan (12%)
- Magenta (0%)
- Yellow (48%)
- Black (4%)




- Cyan (15%)
- Magenta (4%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4361, 0.3628, 0.4559 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 81.4361, 0.3628, 0.4559 by changing the saturation by 10% instead.


 81.4361, 0.3628,
0.4559


 81.4361, 0.3628,
0.4559


499.7595, 0.3429,
0.3970


 60.9008, 0.3663,
0.4690


 135.3829, 0.3567,
0.4357

 44.1451, 0.3701,
0.4848


 169.5633, 0.3541,
0.4277

 30.7846, 0.3738,
0.5043


 209.0608, 0.3517,
0.4209

 20.4349, 0.3770,
0.5284

254.2599, 0.3496,
0.4149

 12.7116, 0.3783,
0.5585

305.5449, 0.3477,
0.4096

 7.2302, 0.3803,
0.6053

363.3002, 0.3459,

 3.6065, 0.3583,

0.4049

0.6417

427.9103, 0.3443,
0.4007

1.4560, 0.3059,
0.6941

0.2574, 0.0000,
1.0000

81.4361, 0.3628,
0.4559

81.4361, 0.3628,
0.4559

79.9764, 0.3702,
0.4803

83.0919, 0.3537,
0.4296

78.6902, 0.3755,
0.5015


84.9437, 0.3434,
0.4024


77.5677, 0.3783,
0.5186

87.0047, 0.3326,
0.3754

76.5931, 0.3785,
0.5309


89.2841, 0.3216,
0.3493

 75.7448, 0.3763,
0.5387

 91.7903, 0.3107,
0.3246

 75.5967, 0.3757,
0.5399

 93.2455, 0.3113,
0.3194

 93.7859, 0.3132,
0.3194

Harmonies

Analogous

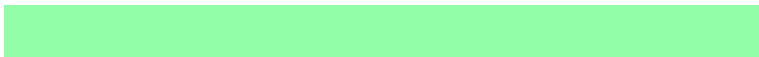
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4361, 0.4195, 0.4319



81.4361, 0.3628, 0.4559



81.4361, 0.2960, 0.4370

Triad

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



81.4361, 0.3628, 0.4559



81.4361, 0.1921, 0.2513



81.4361, 0.3880, 0.2848

Complementary

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



81.4361, 0.3628, 0.4559



28.8427, 0.2413, 0.1842

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.



81.4361, 0.3178, 0.2466



81.4361, 0.3628, 0.4559



81.4361, 0.2100, 0.2259

Square

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



81.4361, 0.3628, 0.4559



81.4361, 0.2009, 0.3040



81.4361, 0.2534, 0.2255



81.4361, 0.4384, 0.3336

Rectangle

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



81.4361, 0.3628, 0.4559



81.4361, 0.2548, 0.3992



81.4361, 0.2534, 0.2255



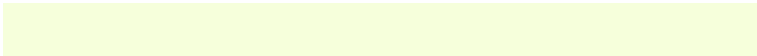
81.4361, 0.3654, 0.2705

Sweetspot

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



81.4397, 0.3628, 0.4559



96.2846, 0.3281, 0.3644



44.2365, 0.4313, 0.3591



20.4956, 0.3304, 0.3701



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.



81.4397, 0.3628, 0.4559



87.5918, 0.3702, 0.4802



74.1561, 0.3237, 0.4737



19.0966, 0.3230, 0.3526



40.7929, 0.3765, 0.5393



3.6329, 0.3821, 0.5348

Inverse Universe

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



28.8427, 0.2413, 0.1842



23.6348, 0.2230, 0.1518



36.0015, 0.2898, 0.2019



16.1233, 0.3018, 0.3048



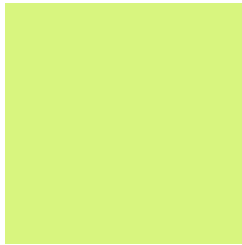
4.1262, 0.1640, 0.0677



0.4088, 0.1761, 0.0744

Previews

White Background



This preview shows how the Yxy color 81.4361, 0.3628, 0.4559 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 81.4361, 0.3628, 0.4559 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 81.4361, 0.3628, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 81.4361, 0.3628, 0.4559.

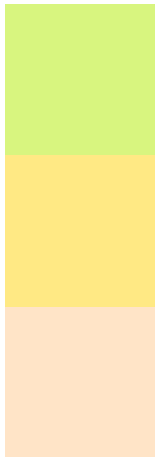


This preview shows how white text looks on a background with the Yxy color 81.4361, 0.3628, 0.4559.

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

81.4361, 0.3628, 0.4559

Protanopia

81.2038, 0.3937, 0.4289

Deuteranopia

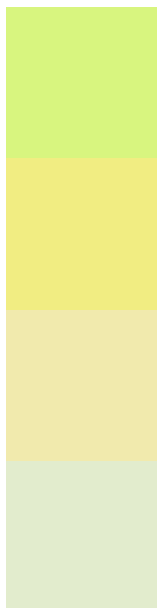
80.8703, 0.3514, 0.3584



Tritanopia

81.0429, 0.3010, 0.3096

Trichromacy



Original Color

81.4361, 0.3628, 0.4559

Protanomaly

80.8809, 0.3826, 0.4384

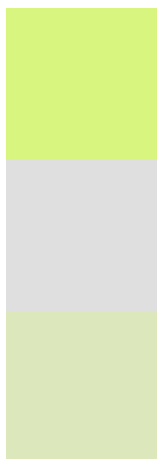
Deuteranomaly

80.5635, 0.3572, 0.3929

Tritanomaly

80.5674, 0.3254, 0.3622

Monochromacy



Original Color

81.4361, 0.3628, 0.4559

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

75.9983, 0.3327, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4361, 0.3628, 0.4559 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(216, 245, 127)` looks like.

```
.text, #text, p{  
    color:rgb(216, 245, 127)  
}
```

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(216, 245, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 245, 127) }
```

Border

The CSS property to change the border of an element to Yxy 81.4361, 0.3628, 0.4559 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(216, 245, 127) }
```

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

```
.border{ border-color:rgb(216, 245, 127) }
```

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

Here you see how a box with a 4 pixel rgb(216, 245, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 245, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 245, 127);  
box-shadow:4px 4px 4px 4px rgb(216, 245,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4361, 0.3628, 0.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 245, 127) }
```

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

```
.background{ background-color: rgb(216,  
245, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor