

# Converting Colors

$Yxy(80.1036, 0.3617, 0.4643)$

Have a look what the booklet for  
Yxy(80.1036, 0.3617, 0.4643)  
contains.

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**Color**

**Yxy(80.3625, 0.3620, 0.4646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F578
RGB	210, 245, 120
RGB Percent	82%, 96%, 47%
CMY	0.1766, 0.0392, 0.5292
CMYK	0.14, 0.00, 0.51, 0.04
HSL	77°, 86%, 72%
HSV	77°, 51%, 96%
XYZ	62.6156, 80.3625, 29.9932
YIQ	220.2850, 19.2650, -46.2950

# Conversions

## Conversions Part 2

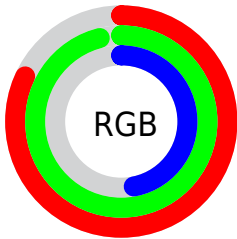
Format	Color
R <sub>Y</sub> B	120, 245, 155
Decimal	13825400
CIE Lab	91.85, -29.80, 55.81
CIE LCh	92, 63.267, 118.097
Yxy	80.3625, 0.3620, 0.4646
Android (android.graphics.Color)	4292015480 (0xFFD2F578)
YUV	220.2850, -49.4405, -9.0199
Hunter-Lab	89.6451, -32.1997, 42.9145

# Details

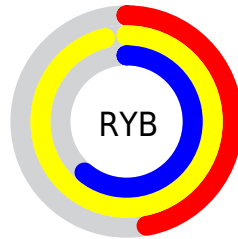
The Yxy color **80.3625, 0.3620, 0.4646** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **27.0141, 0.2395, 0.1761**, and the grayscale version is **72.1224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **43.5608, 0.3683, 0.4965** is the 20% darker color. If you saturate the color by 10%, you get **78.8583, 0.3683, 0.4889**, and if you desaturate by 10%, it is **82.0694, 0.3539, 0.4381**.

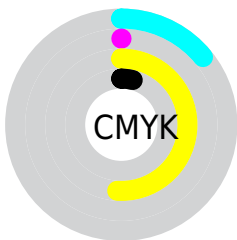
# Distribution



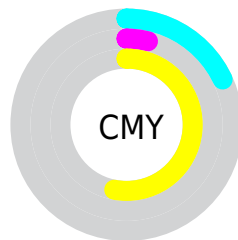
- Red (82%)
- Green (96%)
- Blue (47%)



- Red (47%)
- Yellow (96%)
- Blue (61%)



- Cyan (14%)
- Magenta (0%)
- Yellow (51%)
- Black (4%)



- Cyan (18%)
- Magenta (4%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3625, 0.3620, 0.4646 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 80.3625, 0.3620, 0.4646 by changing the saturation by 10% instead.




 80.3625, 0.3620,  
0.4646


 80.3625, 0.3620,  
0.4646

496.1536, 0.3429,  
0.4014

 60.0167, 0.3652,  
0.4787


 133.8753, 0.3563,  
0.4429

 43.4321, 0.3684,  
0.4957


 167.8110, 0.3538,  
0.4343

 30.2243, 0.3714,  
0.5165


 207.0456, 0.3515,  
0.4270

 20.0089, 0.3734,  
0.5422

251.9633, 0.3495,  
0.4205

 12.4015, 0.3725,  
0.5741

302.9485, 0.3476,  
0.4149

 7.0177, 0.3731,  
0.6269


360.3857, 0.3459,


 3.4732, 0.3417,

0.4099

0.6583


424.6593, 0.3443,  
0.4054


 1.3835, 0.2729,  
0.7271


 0.2045, 0.0000,  
1.0000

 80.3625, 0.3620,  
0.4646

 80.3625, 0.3620,  
0.4646


 78.8583, 0.3683,  
0.4889

 82.0694, 0.3539,  
0.4381


 77.5336, 0.3722,  
0.5098


 83.9793, 0.3446,  
0.4106


 76.3778, 0.3737,  
0.5262

 86.1061, 0.3345,  
0.3832

 75.3742, 0.3725,  
0.5379

 88.4590, 0.3241,  
0.3566

 74.5776, 0.3697,  
0.5446

 91.0469, 0.3137,  
0.3314

 93.0774, 0.3107,  
0.3194

 93.7924, 0.3132,  
0.3195

# Harmonies

## Analogous

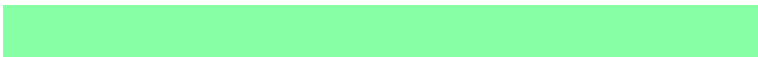
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3625, 0.4232, 0.4393



80.3625, 0.3620, 0.4646



80.3625, 0.2912, 0.4428

# Triad

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



80.3625, 0.3620, 0.4646



80.3625, 0.1857, 0.2444



80.3625, 0.3959, 0.2841

# Complementary

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



80.3625, 0.3620, 0.4646



27.0141, 0.2395, 0.1761

# 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.



80.3625, 0.3212, 0.2435



80.3625, 0.3620, 0.4646



80.3625, 0.2057, 0.2194

# Square

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



80.3625, 0.3620, 0.4646



80.3625, 0.1934, 0.2987



80.3625, 0.2523, 0.2204



80.3625, 0.4481, 0.3355



# Rectangle

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



80.3625, 0.3620, 0.4646



80.3625, 0.2482, 0.4009



80.3625, 0.2523, 0.2204



80.3625, 0.3720, 0.2690

# Sweetspot

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



80.3661, 0.3620, 0.4646



95.7987, 0.3283, 0.3672



43.6751, 0.4389, 0.3651



20.3885, 0.3305, 0.3728



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.



80.3661, 0.3620, 0.4646



86.3342, 0.3683, 0.4892



73.0781, 0.3213, 0.4843



19.0664, 0.3225, 0.3527



40.2449, 0.3705, 0.5440



3.5886, 0.3769, 0.5390



# Inverse Universe

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



27.0141, 0.2395, 0.1761



22.0753, 0.2215, 0.1442



34.6132, 0.2917, 0.1962



16.1516, 0.3023, 0.3048



4.2871, 0.1678, 0.0698

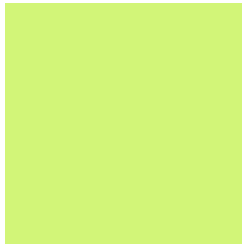


0.4263, 0.1806, 0.0768



# Previews

## White Background



This preview shows how the Yxy color 80.3625, 0.3620, 0.4646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

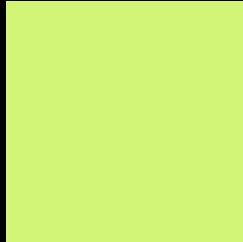
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.3625, 0.3620, 0.4646 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 80.3625, 0.3620, 0.4646**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.3625, 0.3620, 0.4646.

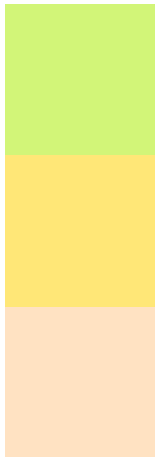


This preview shows how white text looks on a background with the Yxy color 80.3625, 0.3620, 0.4646.

# 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

80.3625, 0.3620, 0.4646

### Protanopia

79.7437, 0.4022, 0.4384

### Deuteranopia

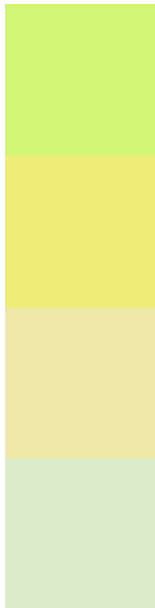
79.5478, 0.3553, 0.3616



## Tritanopia

80.1601, 0.2983, 0.3104

# Trichromacy



## Original Color

80.3625, 0.3620, 0.4646

## Protanomaly

79.6735, 0.3876, 0.4481

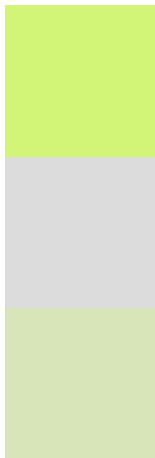
## Deuteranomaly

79.4186, 0.3599, 0.3986

## Tritanomaly

79.4708, 0.3231, 0.3660

# Monochromacy



## Original Color

80.3625, 0.3620, 0.4646

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

74.0982, 0.3327, 0.3794

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.3625, 0.3620, 0.4646 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(210, 245, 120)` looks like.

```
.text, #text, p{  
    color:rgb(210, 245, 120)  
}
```

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(210, 245, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 245, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 80.3625, 0.3620, 0.4646 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(210, 245, 120) }
```

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

```
.border{ border-color:rgb(210, 245, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 245, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 245, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 245, 120);  
box-shadow:4px 4px 4px 4px rgb(210, 245,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.3625, 0.3620, 0.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 245, 120) }
```

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

```
.background{ background-color: rgb(210,  
245, 120) }
```

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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