

Converting Colors

$Yxy(77.5924, 0.3649, 0.4650)$

Have a look what the booklet for
Yxy(77.5924, 0.3649, 0.4650)
contains.

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Color

Yxy(77.7269, 0.3648, 0.4656)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D1F174 |
| RGB | 209, 241, 116 |
| RGB Percent | 82%, 95%, 45% |
| CMY | 0.1804, 0.0549, 0.5451 |
| CMYK | 0.13, 0.00, 0.52, 0.05 |
| HSL | 75°, 82%, 70% |
| HSV | 75°, 52%, 95% |
| XYZ | 60.8994, 77.7269, 28.3129 |
| YIQ | 217.1820, 21.0530, -45.6590 |

Conversions

Conversions Part 2

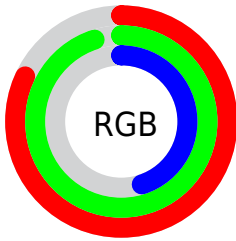
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 116, 241, 148 |
| Decimal | 13758836 |
| CIE Lab | 90.66, -28.67, 56.23 |
| CIE LCh | 91, 63.120, 117.014 |
| Yxy | 77.7269, 0.3648, 0.4656 |
| Android (android.graphics.Color) | 4291948916 (0xFFD1F174) |
| YUV | 217.1820, -49.8827, -7.1756 |
| Hunter-Lab | 88.1629, -30.9842, 42.6734 |

Details

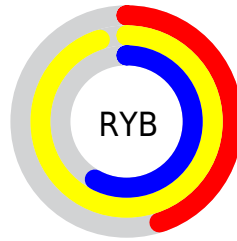
The Yxy color **77.7269, 0.3648, 0.4656** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **25.1377, 0.2356, 0.1725**, and the grayscale version is **69.8575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **41.7211, 0.3717, 0.4975** is the 20% darker color. If you saturate the color by 10%, you get **76.3574, 0.3713, 0.4891**, and if you desaturate by 10%, it is **79.2837, 0.3564, 0.4397**.

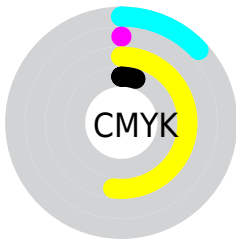
Distribution



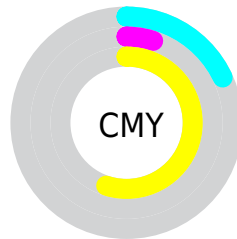
- Red (82%)
- Green (95%)
- Blue (45%)



- Red (45%)
- Yellow (95%)
- Blue (58%)



- Cyan (13%)
- Magenta (0%)
- Yellow (52%)
- Black (5%)





- Cyan (18%)
- Magenta (5%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7269, 0.3648, 0.4656 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 77.7269, 0.3648, 0.4656 by changing the saturation by 10% instead.

 77.7269, 0.3648,
0.4656


 77.7269, 0.3648,
0.4656


487.2388, 0.3444,
0.4017

 57.8497, 0.3682,
0.4798


 130.1651, 0.3587,
0.4436

 41.6878, 0.3717,
0.4970


 163.4948, 0.3560,
0.4350

 28.8569, 0.3750,
0.5180


 202.0775, 0.3536,
0.4276

 18.9726, 0.3772,
0.5440

246.2975, 0.3514,
0.4211

 11.6505, 0.3763,
0.5758

296.5392, 0.3494,
0.4153

 6.5062, 0.3747,
0.6253


353.1871, 0.3476,


 3.1552, 0.3427,


0.4103

0.6573

416.6255, 0.3459,
0.4058

 1.2133, 0.2577,
0.7423


 0.0725, 0.0000,
1.0000


 77.7269, 0.3648,
0.4656


 77.7269, 0.3648,
0.4656


 76.3574, 0.3713,
0.4891


 79.2837, 0.3564,
0.4397

 75.1529, 0.3755,
0.5092


 81.0280, 0.3467,
0.4126

 74.1032, 0.3772,
0.5248


 82.9731, 0.3363,
0.3853


 73.1920, 0.3762,
0.5355


 85.1278, 0.3255,
0.3588

 72.5330, 0.3740,
0.5413

 87.5006, 0.3147,
0.3335

 89.7335, 0.3076,
0.3153

 90.8686, 0.3115,
0.3155

 91.3959, 0.3133,
0.3156

Harmonies

Analogous

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



77.7269, 0.4259, 0.4386



77.7269, 0.3648, 0.4656



77.7269, 0.2934, 0.4457

Triad

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



77.7269, 0.3648, 0.4656



77.7269, 0.1846, 0.2452



77.7269, 0.3941, 0.2820

Complementary

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



77.7269, 0.3648, 0.4656



25.1377, 0.2356, 0.1725

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.



77.7269, 0.3185, 0.2416



77.7269, 0.3648, 0.4656



77.7269, 0.2037, 0.2190

Square

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



77.7269, 0.3648, 0.4656



77.7269, 0.1933, 0.3008



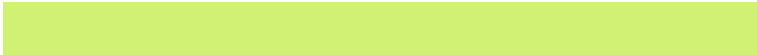
77.7269, 0.2497, 0.2191



77.7269, 0.4481, 0.3335

Rectangle

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



77.7269, 0.3648, 0.4656



77.7269, 0.2497, 0.4043



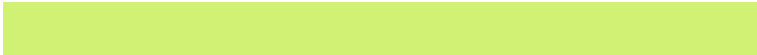
77.7269, 0.2497, 0.2191



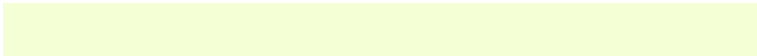
77.7269, 0.3698, 0.2670

Sweetspot

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



77.7304, 0.3648, 0.4656



95.7169, 0.3300, 0.3698



40.9075, 0.4432, 0.3633



20.3793, 0.3322, 0.3752



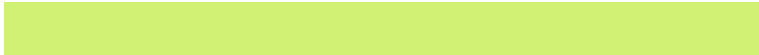
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.7304, 0.3648, 0.4656



86.7536, 0.3715, 0.4898



70.4026, 0.3226, 0.4864



18.2434, 0.3229, 0.3526



39.3975, 0.3747, 0.5407



3.3246, 0.3808, 0.5358

Inverse Universe

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



25.1377, 0.2356, 0.1725



21.1026, 0.2169, 0.1400



32.5063, 0.2893, 0.1934



15.4244, 0.3019, 0.3049



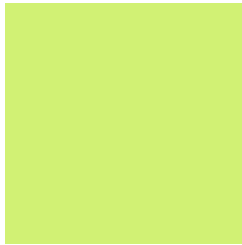
4.0489, 0.1652, 0.0684



0.3828, 0.1783, 0.0756

Previews

White Background



This preview shows how the Yxy color 77.7269, 0.3648, 0.4656 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 77.7269, 0.3648, 0.4656 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 77.7269, 0.3648, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 77.7269, 0.3648, 0.4656.



This preview shows how white text looks on a background with the Yxy color 77.7269, 0.3648, 0.4656.

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

77.7269, 0.3648, 0.4656

Protanopia

77.3521, 0.4054, 0.4428

Deuteranopia

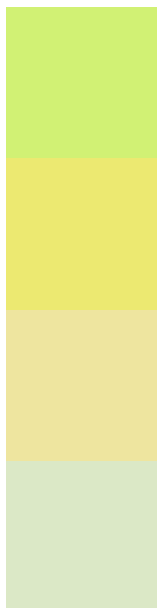
76.9632, 0.3634, 0.3679



Tritanopia

77.5383, 0.3001, 0.3102

Trichromacy



Original Color

77.7269, 0.3648, 0.4656

Protanomaly

77.3029, 0.3900, 0.4520

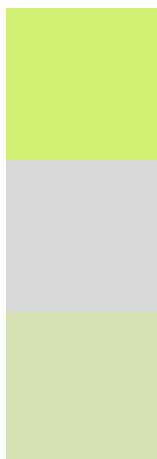
Deuteranomaly

76.7190, 0.3656, 0.4034

Tritanomaly

76.8505, 0.3254, 0.3663

Monochromacy



Original Color

77.7269, 0.3648, 0.4656

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

71.9841, 0.3344, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7269, 0.3648, 0.4656 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(209, 241, 116)` looks like.

```
.text, #text, p{  
    color:rgb(209, 241, 116)  
}
```

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(209, 241, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 241, 116) }
```

Border

The CSS property to change the border of an element to Yxy 77.7269, 0.3648, 0.4656 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(209, 241, 116) }
```

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

```
.border{ border-color:rgb(209, 241, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 241, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 241, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 241, 116);  
box-shadow:4px 4px 4px 4px rgb(209, 241,  
116) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.7269, 0.3648, 0.4656$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 241, 116) }
```

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

```
.background{ background-color: rgb(209,  
241, 116) }
```

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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