

Converting Colors

$Yxy(80.4179, 0.3664, 0.4454)$

Have a look what the booklet for
Yxy(80.4179, 0.3664, 0.4454)
contains.

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Color

Yxy(80.2645, 0.3666, 0.4455)

Conversions

Conversions Part 1

Format	Color
Hex	DFF184
RGB	223, 241, 132
RGB Percent	87%, 95%, 52%
CMY	0.1256, 0.0549, 0.4822
CMYK	0.07, 0.00, 0.45, 0.05
HSL	70°, 80%, 73%
HSV	70°, 45%, 95%
XYZ	66.0493, 80.2645, 33.8534
YIQ	223.1920, 24.2610, -37.7150

Conversions

Conversions Part 2

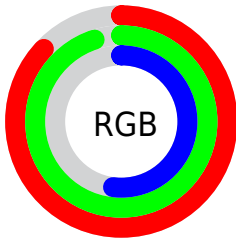
Format	Color
RYB	132, 241, 150
Decimal	14676356
CIELab	91.80, -21.80, 50.38
CIElCh	92, 54.890, 113.396
Yxy	80.2645, 0.3666, 0.4455
Android (android.graphics.Color)	4292866436 (0xFFDFF184)
YUV	223.1920, -44.9577, -0.1684
Hunter-Lab	89.5905, -25.1867, 40.3095

Details

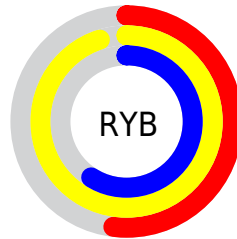
The Yxy color **80.2645, 0.3666, 0.4455** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.3541, 0.2400, 0.1918**, and the grayscale version is **74.2507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **43.3694, 0.3756, 0.4724** is the 20% darker color. If you saturate the color by 10%, you get **79.0567, 0.3761, 0.4691**, and if you desaturate by 10%, it is **81.6469, 0.3556, 0.4200**.

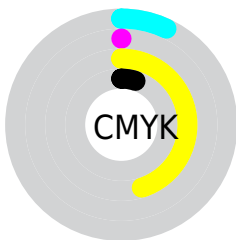
Distribution



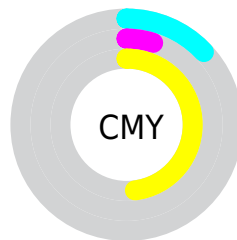
- Red (87%)
- Green (95%)
- Blue (52%)



- Red (52%)
- Yellow (95%)
- Blue (59%)



- Cyan (7%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)





- Cyan (13%)
- Magenta (5%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2645, 0.3666, 0.4455 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 80.2645, 0.3666, 0.4455 by changing the saturation by 10% instead.


 80.2645, 0.3666,
0.4455

 80.2645, 0.3666,
0.4455


495.8238, 0.3444,
0.3916


 59.9360, 0.3708,
0.4575


 133.7375, 0.3596,
0.4270

 43.3671, 0.3754,
0.4719


 167.6509, 0.3566,
0.4198

 30.1732, 0.3805,
0.4897


 206.8614, 0.3540,
0.4135

 19.9701, 0.3855,
0.5118


251.7533, 0.3517,
0.4080

 12.3733, 0.3896,
0.5394

302.7111, 0.3496,
0.4032

 6.9985, 0.3942,
0.5800

360.1192, 0.3477,

 3.4611, 0.3819,

0.3989

0.6181

424.3620, 0.3460,
0.3950

■ 1.3770, 0.3402,
0.6598

■ 0.1996, 0.0000,
1.0000

■ 80.2645, 0.3666,
0.4455

■ 80.2645, 0.3666,
0.4455

■ 79.0567, 0.3761,
0.4691

■ 81.6469, 0.3556,
0.4200

■ 78.0018, 0.3835,
0.4897

■ 83.2027, 0.3437,
0.3936

■ 77.0915, 0.3885,
0.5064

■ 84.9445, 0.3314,
0.3673


■ 76.3115, 0.3908,
0.5186


■ 86.8806, 0.3190,
0.3418


 75.6445, 0.3906,
0.5261

 89.0187, 0.3070,
0.3176

 75.3528, 0.3899,
0.5286

 89.8928, 0.3081,
0.3154

 90.6251, 0.3107,
0.3155

 91.3730, 0.3133,
0.3156

 91.3961, 0.3133,
0.3156

Harmonies

Analogous

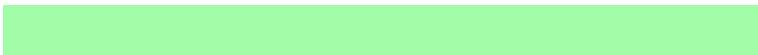
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2645, 0.4169, 0.4212



80.2645, 0.3666, 0.4455



80.2645, 0.3046, 0.4322

Triad

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



80.2645, 0.3666, 0.4455



80.2645, 0.1996, 0.2615



80.2645, 0.3757, 0.2833

Complementary

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



80.2645, 0.3666, 0.4455



29.3541, 0.2400, 0.1918

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.



80.2645, 0.3104, 0.2488



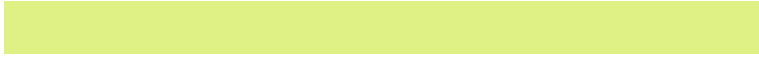
80.2645, 0.3666, 0.4455



80.2645, 0.2137, 0.2343

Square

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



80.2645, 0.3666, 0.4455



80.2645, 0.2110, 0.3133



80.2645, 0.2521, 0.2311



80.2645, 0.4253, 0.3286

Rectangle

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



80.2645, 0.3666, 0.4455



80.2645, 0.2653, 0.4002



80.2645, 0.2521, 0.2311



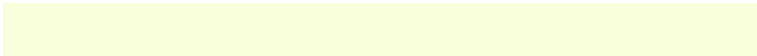
80.2645, 0.3544, 0.2703

Sweetspot

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



80.2681, 0.3666, 0.4455



96.8073, 0.3299, 0.3642



41.6695, 0.4259, 0.3474



20.6239, 0.3326, 0.3699



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.



80.2681, 0.3666, 0.4455



90.0041, 0.3752, 0.4668



73.1488, 0.3294, 0.4612



18.3190, 0.3243, 0.3525



40.9094, 0.3904, 0.5282



3.4381, 0.3944, 0.5250

Inverse Universe

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



29.3541, 0.2400, 0.1918



25.5950, 0.2225, 0.1614



35.5421, 0.2837, 0.2069



15.3543, 0.3005, 0.3048



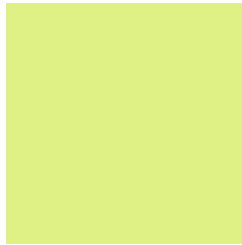
3.7256, 0.1572, 0.0640



0.3464, 0.1680, 0.0699

Previews

White Background



This preview shows how the Yxy color 80.2645, 0.3666, 0.4455 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 80.2645, 0.3666, 0.4455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

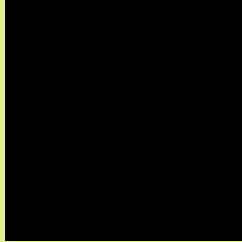
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2645, 0.3666, 0.4455

Background



This preview shows how black text looks on a background with the Yxy color 80.2645, 0.3666, 0.4455.



This preview shows how white text looks on a background with the Yxy color 80.2645, 0.3666, 0.4455.

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

80.2645, 0.3666, 0.4455

Protanopia

79.8076, 0.3957, 0.4302

Deuteranopia

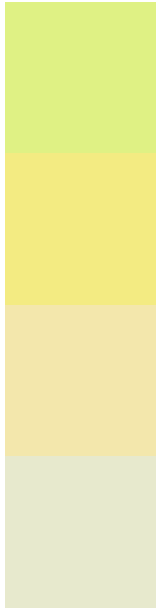
79.5928, 0.3546, 0.3606



Tritanopia

79.9735, 0.3068, 0.3107

Trichromacy



Original Color

80.2645, 0.3666, 0.4455

Protanomaly

80.0831, 0.3850, 0.4361

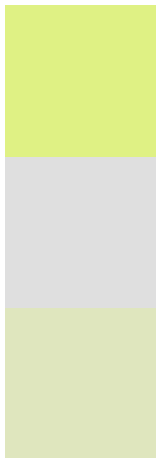
Deuteranomaly

79.1851, 0.3602, 0.3908

Tritanomaly

79.6745, 0.3292, 0.3588

Monochromacy



Original Color

80.2645, 0.3666, 0.4455

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

75.9993, 0.3337, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2645, 0.3666, 0.4455 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(223, 241, 132)` looks like.

```
.text, #text, p{  
    color:rgb(223, 241, 132)  
}
```

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(223, 241, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 241, 132) }
```

Border

The CSS property to change the border of an element to Yxy 80.2645, 0.3666, 0.4455 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(223, 241, 132) }
```

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

```
.border{ border-color:rgb(223, 241, 132) }
```

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

Here you see how a box with a 4 pixel rgb(223, 241, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 241, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 241, 132);  
box-shadow:4px 4px 4px 4px rgb(223, 241,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2645, 0.3666, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 241, 132) }
```

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

```
.background{ background-color: rgb(223,  
241, 132) }
```

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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