

Converting Colors

$Yxy(76.3887, 0.3787, 0.4605)$

Have a look what the booklet for
Yxy(76.3887, 0.3787, 0.4605)
contains.

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Color

Yxy(76.6904, 0.3785, 0.4605)

Conversions

Conversions Part 1

Format	Color
Hex	DEEC70
RGB	222, 236, 112
RGB Percent	87%, 93%, 44%
CMY	0.1296, 0.0744, 0.5607
CMYK	0.06, 0.00, 0.53, 0.07
HSL	67°, 77%, 68%
HSV	67°, 53%, 93%
XYZ	63.0343, 76.6904, 26.8125
YIQ	217.6780, 31.4600, -41.5320

Conversions

Conversions Part 2

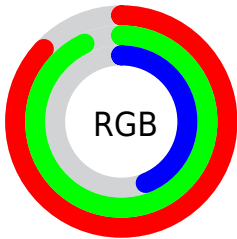
Format	Color
R _{YB}	112, 236, 126
Decimal	14609520
CIE _{Lab}	90.18, -21.64, 57.71
CIE _{LCh}	90, 61.631, 110.554
Yxy	76.6904, 0.3785, 0.4605
Android (android.graphics.Color)	4292799600 (0xFFDEEC70)
YUV	217.6780, -52.0993, 3.7904
Hunter-Lab	87.5731, -24.7701, 43.1481

Details

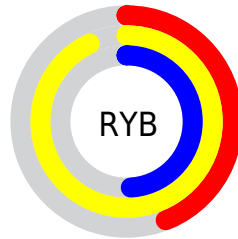
The Yxy color **76.6904, 0.3785, 0.4605** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **22.0899, 0.2210, 0.1652**, and the grayscale version is **70.2251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **40.9473, 0.3893, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **75.8159, 0.3875, 0.4810**, and if you desaturate by 10%, it is **77.7163, 0.3676, 0.4372**.

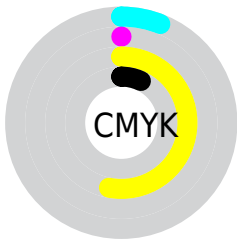
Distribution



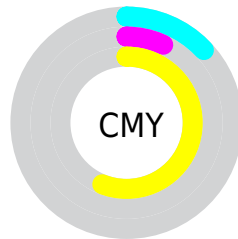
- Red (87%)
- Green (93%)
- Blue (44%)



- Red (44%)
- Yellow (93%)
- Blue (49%)



- Cyan (6%)
- Magenta (0%)
- Yellow (53%)
- Black (7%)





- Cyan (13%)
- Magenta (7%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6904, 0.3785, 0.4605 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 76.6904, 0.3785, 0.4605 by changing the saturation by 10% instead.


 76.6904, 0.3785,
0.4605


 76.6904, 0.3785,
0.4605


483.7078, 0.3517,
0.3999


 56.9988, 0.3834,
0.4737


 128.7024, 0.3701,
0.4399

 41.0043, 0.3886,
0.4895


 161.7915, 0.3666,
0.4317

 28.3224, 0.3939,
0.5085


 200.1153, 0.3634,
0.4246

 18.5689, 0.3987,
0.5315

244.0582, 0.3606,
0.4184

 11.3592, 0.4012,
0.5590

294.0044, 0.3580,
0.4130

 6.3090, 0.4023,
0.5977

350.3385, 0.3557,

 3.0338, 0.3778,

0.4081

0.6222

413.4448, 0.3536,
0.4038

■ 1.1494, 0.3208,
0.6792

■ 0.0198, 0.0000,
1.0000

■ 76.6904, 0.3785,
0.4605

■ 76.6904, 0.3785,
0.4605

■ 75.8159, 0.3875,
0.4810

■ 77.7163, 0.3676,
0.4372

■ 75.0714, 0.3941,
0.4977


■ 78.8931, 0.3554,
0.4120

■ 74.4476, 0.3981,
0.5100


■ 80.2332, 0.3424,
0.3861


■ 73.9291, 0.3995,
0.5177


■ 81.7448, 0.3291,
0.3602


 73.5932, 0.3992,
0.5212

 83.4356, 0.3160,
0.3352

 85.3129, 0.3033,
0.3114

 85.8680, 0.3042,
0.3102

 86.3418, 0.3060,
0.3103

 86.8225, 0.3077,
0.3104

Harmonies

Analogous

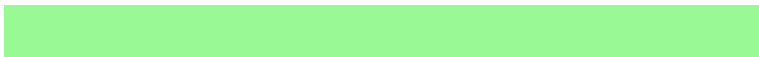
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6904, 0.4338, 0.4275



76.6904, 0.3785, 0.4605



76.6904, 0.3090, 0.4519

Triad

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



76.6904, 0.3785, 0.4605



76.6904, 0.1861, 0.2561



76.6904, 0.3774, 0.2731

Complementary

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



76.6904, 0.3785, 0.4605



22.0899, 0.2210, 0.1652

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.



76.6904, 0.3026, 0.2366



76.6904, 0.3785, 0.4605



76.6904, 0.1992, 0.2241

Square

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



76.6904, 0.3785, 0.4605



76.6904, 0.2010, 0.3168



76.6904, 0.2389, 0.2189



76.6904, 0.4373, 0.3222

Rectangle

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



76.6904, 0.3785, 0.4605



76.6904, 0.2641, 0.4176



76.6904, 0.2389, 0.2189



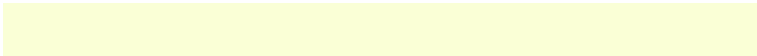
76.6904, 0.3526, 0.2592

Sweetspot

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



76.6939, 0.3785, 0.4605



96.7782, 0.3338, 0.3693



33.5253, 0.4581, 0.3430



20.6344, 0.3365, 0.3746



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.



76.6939, 0.3785, 0.4605



90.3011, 0.3880, 0.4823



68.8127, 0.3347, 0.4824



17.5352, 0.3250, 0.3524



40.5950, 0.3995, 0.5210



3.2124, 0.4025, 0.5186

Inverse Universe

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



22.0899, 0.2210, 0.1652



18.7701, 0.1998, 0.1301



28.1397, 0.2715, 0.1851



14.6307, 0.2997, 0.3048



3.4926, 0.1541, 0.0623



0.3013, 0.1630, 0.0672

Previews

White Background



This preview shows how the Yxy color 76.6904, 0.3785, 0.4605 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 76.6904, 0.3785, 0.4605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

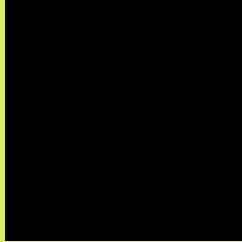
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6904, 0.3785, 0.4605

Background



This preview shows how black text looks on a background with the Yxy color 76.6904, 0.3785, 0.4605.



This preview shows how white text looks on a background with the Yxy color 76.6904, 0.3785, 0.4605.

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

76.6904, 0.3785, 0.4605

Protanopia

76.5515, 0.4068, 0.4448

Deuteranopia

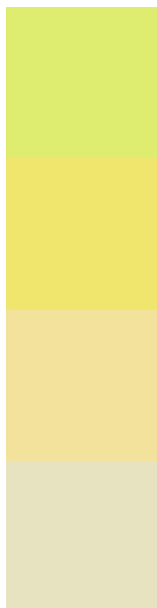
76.2682, 0.3665, 0.3711



Tritanopia

76.3667, 0.3108, 0.3105

Trichromacy



Original Color

76.6904, 0.3785, 0.4605

Protanomaly

76.2447, 0.3962, 0.4505

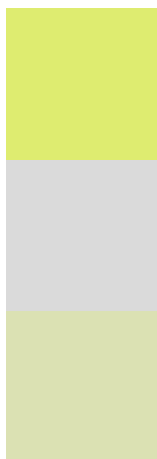
Deuteranomaly

75.8140, 0.3731, 0.4036

Tritanomaly

75.7773, 0.3381, 0.3657

Monochromacy



Original Color

76.6904, 0.3785, 0.4605

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

72.1652, 0.3390, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6904, 0.3785, 0.4605 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(222, 236, 112)` looks like.

```
.text, #text, p{  
    color:rgb(222, 236, 112)  
}
```

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(222, 236, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 236, 112) }
```

Border

The CSS property to change the border of an element to Yxy 76.6904, 0.3785, 0.4605 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(222, 236, 112) }
```

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

```
.border{ border-color:rgb(222, 236, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 236, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 236, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 236, 112); box-shadow:4px 4px 4px 4px rgb(222, 236, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6904, 0.3785, 0.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 236, 112) }
```

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

```
.background{ background-color: rgb(222,  
236, 112) }
```

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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