

Converting Colors

$Y_{xy}(100.0000, 0.4590, 0.4198)$

Have a look what the booklet for
Yxy(100.0000, 0.4590, 0.4198)
contains.

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Color

Yxy(81.8465, 0.4038, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB70
RGB	255, 235, 112
RGB Percent	100%, 92%, 44%
CMY	0.0000, 0.0784, 0.5609
CMYK	0.00, 0.08, 0.56, 0.00
HSL	52°, 100%, 72%
HSV	52°, 56%, 100%
XYZ	73.8704, 81.8465, 27.2212
YIQ	226.9580, 51.4030, -34.0130

Conversions

Conversions Part 2

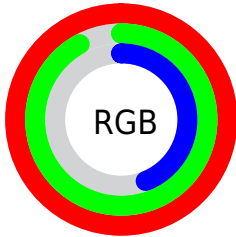
Format	Color
RYB	135, 255, 112
Decimal	16771952
CIELab	92.51, -8.00, 61.09
CIELCh	93, 61.610, 97.457
Yxy	81.8465, 0.4038, 0.4474
Android (android.graphics.Color)	4294962032 (0xFFFFEB70)
YUV	226.9580, -56.6743, 24.5928
Hunter-Lab	90.4691, -12.5708, 45.4886

Details

The Yxy color **81.8465, 0.4038, 0.4474** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.1505, 0.2084, 0.1716**, and the grayscale version is **77.1752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **44.6838, 0.4192, 0.4701** is the 20% darker color. If you saturate the color by 10%, you get **79.3405, 0.4179, 0.4628**, and if you desaturate by 10%, it is **84.5618, 0.3880, 0.4288**.

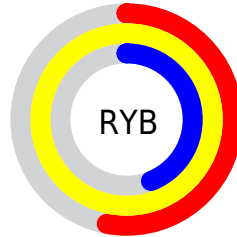
Distribution



Red (100%)

Green (92%)

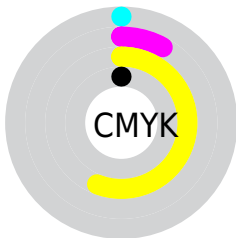
Blue (44%)



Red (53%)

Yellow (100%)

Blue (44%)

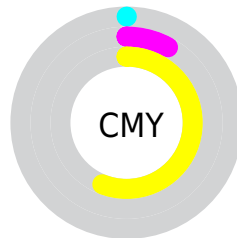


Cyan (0%)

Magenta (8%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8465, 0.4038, 0.4474 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 81.8465, 0.4038, 0.4474 by changing the saturation by 10% instead.


 81.8465, 0.4038,
0.4474


 81.8465, 0.4038,
0.4474


501.1341, 0.3656,
0.3956


 61.2390, 0.4111,
0.4580


 135.9587, 0.3916,
0.4304

 44.4181, 0.4194,
0.4702


 170.2322, 0.3865,
0.4235

 30.9993, 0.4285,
0.4844


 209.8299, 0.3820,
0.4174

 20.5983, 0.4381,
0.5005

255.1361, 0.3780,
0.4120

 12.8307, 0.4472,
0.5183

306.5352, 0.3744,
0.4072

 7.3121, 0.4582,
0.5418

364.4117, 0.3712,

 3.6580, 0.4504,

0.4029

0.5496

429.1498, 0.3682,
0.3991

■ 1.4842, 0.4372,
0.5628

■ 0.2775, 0.1982,
0.8018

■ 81.8465, 0.4038,
0.4474

■ 81.8465, 0.4038,
0.4474

■ 79.3405, 0.4179,
0.4628

■ 84.5618, 0.3880,
0.4288

■ 77.0181, 0.4297,
0.4742


■ 87.4875, 0.3714,
0.4080


■ 74.8666, 0.4388,
0.4810

■ 90.6388, 0.3545,
0.3860

■ 72.8653, 0.4450,
0.4833

■ 94.0262, 0.3378,
0.3637

 72.1125, 0.4469,
0.4834

 97.6593, 0.3219,
0.3419

99.9995, 0.3127,
0.3290

Harmonies

Analogous

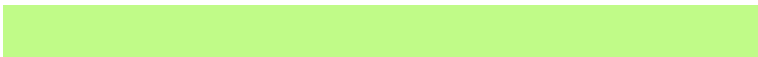
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8465, 0.4463, 0.4051



81.8465, 0.4038, 0.4474



81.8465, 0.3396, 0.4590

Triad

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



81.8465, 0.4038, 0.4474



81.8465, 0.1914, 0.2805



81.8465, 0.3442, 0.2566

Complementary

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



81.8465, 0.4038, 0.4474



27.1505, 0.2084, 0.1716

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.



81.8465, 0.2733, 0.2281



81.8465, 0.4038, 0.4474



81.8465, 0.1924, 0.2365

Square

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



81.8465, 0.4038, 0.4474



81.8465, 0.2185, 0.3498



81.8465, 0.2202, 0.2202



81.8465, 0.4127, 0.3004

Rectangle

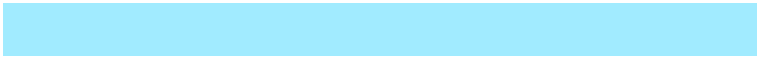
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8465, 0.4038, 0.4474



81.8465, 0.2936, 0.4397



81.8465, 0.2202, 0.2202



81.8465, 0.3195, 0.2451

Sweetspot

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



81.8503, 0.4038, 0.4474



93.7115, 0.3393, 0.3658



34.5440, 0.4574, 0.3080



19.9092, 0.3426, 0.3702



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.



81.8503, 0.4038, 0.4474



79.1245, 0.4191, 0.4641



85.6570, 0.3587, 0.4813



20.6323, 0.3273, 0.3493



37.8479, 0.4463, 0.4838



3.7990, 0.4428, 0.4866

Inverse Universe

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



27.1505, 0.2084, 0.1716



19.8421, 0.1882, 0.1379



26.4832, 0.2378, 0.1626



17.7870, 0.2979, 0.3079



4.5439, 0.1530, 0.0708



0.5607, 0.1575, 0.0870

Previews

White Background



This preview shows how the Yxy color 81.8465, 0.4038, 0.4474 looks on a white background.

Color Contrast Check

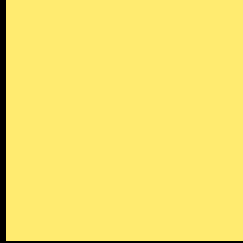
Large Text (above 18pt) WCAG AA × Fail

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 81.8465, 0.4038, 0.4474 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 81.8465, 0.4038, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 81.8465, 0.4038, 0.4474.



This preview shows how white text looks on a background with the Yxy color 81.8465, 0.4038, 0.4474.

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

81.8465, 0.4038, 0.4474

Protanopia

81.9697, 0.3891, 0.4235

Deuteranopia

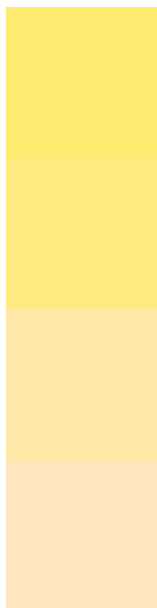
81.4688, 0.3505, 0.3584



Tritanopia

81.7671, 0.3258, 0.3182

Trichromacy



Original Color

81.8465, 0.4038, 0.4474

Protanomaly

81.6906, 0.3950, 0.4324

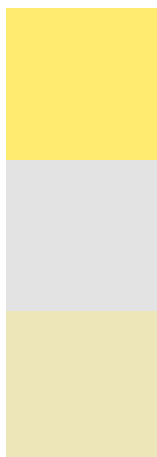
Deuteranomaly

81.2390, 0.3718, 0.3928

Tritanomaly

81.1044, 0.3560, 0.3666

Monochromacy



Original Color

81.8465, 0.4038, 0.4474

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.1009, 0.3473, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8465, 0.4038, 0.4474 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(255, 235, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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(255, 235, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 112) }
```

Border

The CSS property to change the border of an element to Yxy 81.8465, 0.4038, 0.4474 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(255, 235, 112) }
```

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

```
.border{ border-color:rgb(255, 235, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8465, 0.4038, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 112) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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