

# Converting Colors

$Y_{xy}(100.0000, 0.4683, 0.4131)$

Have a look what the booklet for  
Yxy(100.0000, 0.4683, 0.4131)  
contains.

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# Color

**Yxy(79.0235, 0.4065, 0.4433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE670
RGB	255, 230, 112
RGB Percent	100%, 90%, 44%
CMY	0.0000, 0.0980, 0.5606
CMYK	0.00, 0.10, 0.56, 0.00
HSL	50°, 100%, 72%
HSV	50°, 56%, 100%
XYZ	72.4635, 79.0235, 26.7749
YIQ	224.0230, 52.7780, -31.3980

# Conversions

## Conversions Part 2

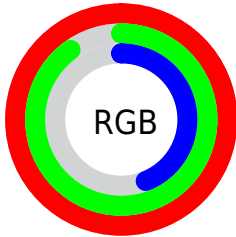
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 255, 112
Decimal	16770672
CIE <sub>Lab</sub>	91.24, -5.49, 59.60
CIE <sub>LCh</sub>	91, 59.857, 95.266
Yxy	79.0235, 0.4065, 0.4433
Android (android.graphics.Color)	4294960752 (0xFFFFE670)
YUV	224.0230, -55.2273, 27.1668
Hunter-Lab	88.8952, -10.0611, 44.3687

# Details

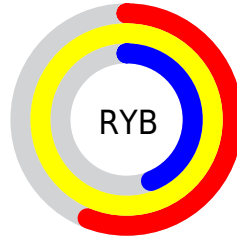
The Yxy color **79.0235, 0.4065, 0.4433** is a light color, and the websafe version is hex **FFCC66**, and the color name is **shandy**. A complement of this color would be **28.5701, 0.2098, 0.1779**, and the grayscale version is **74.9377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **42.7012, 0.4235, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **76.0870, 0.4217, 0.4583**, and if you desaturate by 10%, it is **82.1917, 0.3898, 0.4252**.

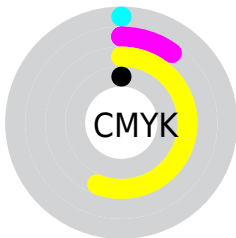
# Distribution



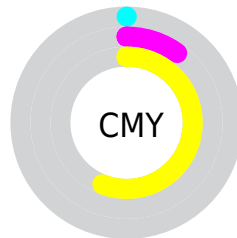
- Red (100%)
- Green (90%)
- Blue (44%)



- Red (56%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (10%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0235, 0.4065, 0.4433 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 79.0235, 0.4065, 0.4433 by changing the saturation by 10% instead.




 79.0235, 0.4065,  
0.4433


 79.0235, 0.4065,  
0.4433


491.6358, 0.3666,  
0.3932


 58.9151, 0.4143,  
0.4535


 131.9919, 0.3936,  
0.4268

 42.5448, 0.4232,  
0.4653


 165.6208, 0.3883,  
0.4201

 29.5281, 0.4331,  
0.4790


 204.5253, 0.3836,  
0.4143

 19.4807, 0.4438,  
0.4945

249.0898, 0.3794,  
0.4091

 12.0181, 0.4543,  
0.5114

299.6987, 0.3757,  
0.4045

 6.7560, 0.4668,  
0.5332

356.7364, 0.3723,

 3.3100, 0.4613,

0.4003

420.5873, 0.3693,  
0.3966

0.5387

■ 1.2956, 0.4515,  
0.5485

■ 0.1378, 0.0000,  
1.0000

■ 79.0235, 0.4065,  
0.4433

■ 79.0235, 0.4065,  
0.4433

■ 76.0870, 0.4217,  
0.4583

■ 82.1917, 0.3898,  
0.4252

■ 73.3567, 0.4348,  
0.4693

■ 85.5932, 0.3724,  
0.4050

■ 70.8194, 0.4451,  
0.4756

■ 89.2435, 0.3549,  
0.3838

■ 68.4544, 0.4524,  
0.4773

■ 93.1532, 0.3380,  
0.3623

■ 67.5582, 0.4547,  
0.4771

■ 97.3321, 0.3219,  
0.3413

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

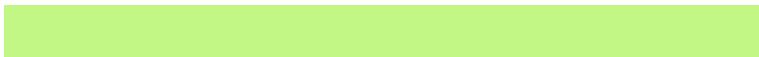
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0235, 0.4460, 0.4005



79.0235, 0.4065, 0.4433



79.0235, 0.3443, 0.4574

# Triad

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



79.0235, 0.4065, 0.4433



79.0235, 0.1942, 0.2857



79.0235, 0.3384, 0.2551

# Complementary

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



79.0235, 0.4065, 0.4433



28.5701, 0.2098, 0.1779

# 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.



79.0235, 0.2694, 0.2283



79.0235, 0.4065, 0.4433



79.0235, 0.1932, 0.2402

# Square

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



79.0235, 0.4065, 0.4433



79.0235, 0.2230, 0.3550



79.0235, 0.2187, 0.2221



79.0235, 0.4067, 0.2974



# Rectangle

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



79.0235, 0.4065, 0.4433



79.0235, 0.2989, 0.4408



79.0235, 0.2187, 0.2221



79.0235, 0.3142, 0.2441

# Sweetspot

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



79.0272, 0.4065, 0.4433



92.7748, 0.3396, 0.3643



34.7004, 0.4512, 0.3032



19.6860, 0.3429, 0.3686



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.



79.0272, 0.4065, 0.4433



75.8220, 0.4231, 0.4595



86.3530, 0.3619, 0.4794



20.5184, 0.3273, 0.3485



35.4981, 0.4541, 0.4777



3.5918, 0.4494, 0.4814



# Inverse Universe

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



28.5701, 0.2098, 0.1779



21.1514, 0.1898, 0.1448



26.0177, 0.2342, 0.1611



17.8910, 0.2979, 0.3088



4.8849, 0.1543, 0.0755



0.6100, 0.1593, 0.0935



# Previews

## White Background



This preview shows how the Yxy color 79.0235, 0.4065, 0.4433 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

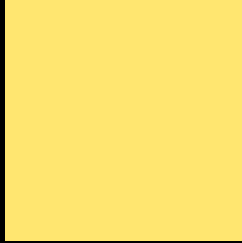
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0235, 0.4065, 0.4433 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 79.0235, 0.4065, 0.4433**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0235, 0.4065, 0.4433.



This preview shows how white text looks on a background with the Yxy color 79.0235, 0.4065, 0.4433.

# 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

79.0235, 0.4065, 0.4433

### Protanopia

78.8343, 0.4058, 0.4437

### Deuteranopia

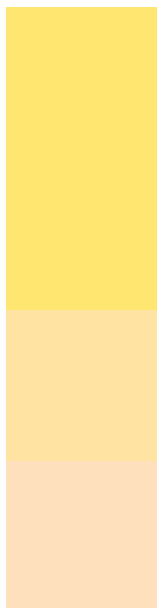
78.8281, 0.3584, 0.3647



## Tritanopia

78.7991, 0.3297, 0.3181

# Trichromacy



## Original Color

79.0235, 0.4065, 0.4433

## Protanomaly

78.8343, 0.4058, 0.4437

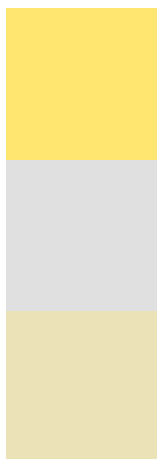
## Deuteranomaly

78.8068, 0.3772, 0.3951

## Tritanomaly

78.2021, 0.3600, 0.3658

# Monochromacy



## Original Color

79.0235, 0.4065, 0.4433

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.4738, 0.3480, 0.3752

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0235, 0.4065, 0.4433 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, 230, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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, 230, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0235, 0.4065, 0.4433 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, 230, 112) }
```

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

```
.border{ border-color:rgb(255, 230, 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, 230, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0235, 0.4065, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 112) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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