

Converting Colors

$Y_{xy}(77.4124, 0.3910, 0.4134)$

Have a look what the booklet for
Yxy(77.4124, 0.3910, 0.4134)
contains.

Yxy(77.6057, 0.3908, 0.4136)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.6057, 0.3908, 0.4136)

Conversions

Conversions Part 1

Format	Color
Hex	FFE28E
RGB	255, 226, 142
RGB Percent	100%, 89%, 56%
CMY	0.0000, 0.1137, 0.4432
CMYK	0.00, 0.11, 0.44, 0.00
HSL	45°, 100%, 78%
HSV	45°, 44%, 100%
XYZ	73.3276, 77.6057, 36.7013
YIQ	225.0950, 44.2480, -19.9760

Conversions

Conversions Part 2

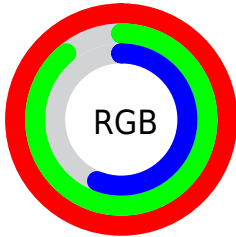
Format	Color
RYB	181, 255, 142
Decimal	16769678
CIELab	90.60, -0.90, 44.60
CIELCh	91, 44.613, 91.160
Yxy	77.6057, 0.3908, 0.4136
Android (android.graphics.Color)	4294959758 (0xFFFFE28E)
YUV	225.0950, -40.9658, 26.2267
Hunter-Lab	88.0941, -5.5851, 36.9648

Details

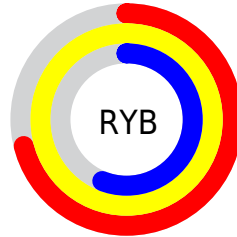
The Yxy color **77.6057, 0.3908, 0.4136** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.0943, 0.2349, 0.2260**, and the grayscale version is **75.6395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **41.5998, 0.4063, 0.4315** is the 20% darker color. If you saturate the color by 10%, you get **73.4307, 0.4099, 0.4308**, and if you desaturate by 10%, it is **82.0859, 0.3716, 0.3948**.

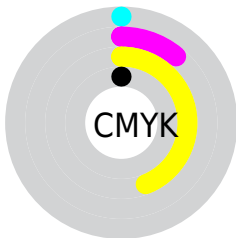
Distribution



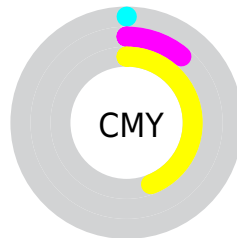
- Red (100%)
- Green (89%)
- Blue (56%)



- Red (71%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (11%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6057, 0.3908, 0.4136 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 77.6057, 0.3908, 0.4136 by changing the saturation by 10% instead.

 77.6057, 0.3908,
0.4136

 77.6057, 0.3908,
0.4136


486.8267, 0.3561,
0.3759

 57.7501, 0.3982,
0.4216


 129.9941, 0.3792,
0.4009

 41.6078, 0.4069,
0.4312


 163.2958, 0.3745,
0.3959

 28.7943, 0.4173,
0.4427


201.8483, 0.3705,
0.3915

 18.9253, 0.4298,
0.4565

246.0359, 0.3669,
0.3876

 11.6163, 0.4446,
0.4730

296.2432, 0.3637,
0.3841

 6.4830, 0.4629,
0.4937

352.8545, 0.3609,

 3.1409, 0.4830,

0.3811

0.5170

416.2542, 0.3584,
0.3783

■ 1.2057, 0.4814,
0.5186

■ 0.0664, 0.3820,
0.6180

■ 77.6057, 0.3908,
0.4136

■ 77.6057, 0.3908,
0.4136

■ 73.4307, 0.4099,
0.4308

■ 82.0859, 0.3716,
0.3948

■ 69.5561, 0.4282,
0.4452

■ 86.8925, 0.3531,
0.3753

■ 65.9638, 0.4447,
0.4557

■ 92.0342, 0.3355,
0.3558

■ 62.6364, 0.4587,
0.4616

■ 97.5216, 0.3193,
0.3369

■ 59.5529, 0.4695,
0.4626

100.0000, 0.3127,
0.3290

■ 57.8930, 0.4746,
0.4614

Harmonies

Analogous

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



77.6057, 0.4159, 0.3814



77.6057, 0.3908, 0.4136



77.6057, 0.3457, 0.4245

Triad

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



77.6057, 0.3908, 0.4136



77.6057, 0.2230, 0.3044



77.6057, 0.3253, 0.2680

Complementary

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



77.6057, 0.3908, 0.4136



42.0943, 0.2349, 0.2260

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.



77.6057, 0.2740, 0.2488



77.6057, 0.3908, 0.4136



77.6057, 0.2186, 0.2656

Square

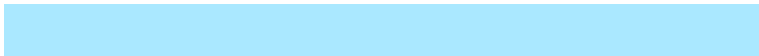
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6057, 0.3908, 0.4136



77.6057, 0.2495, 0.3566



77.6057, 0.2363, 0.2472



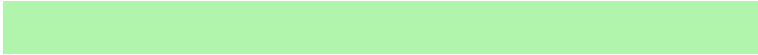
77.6057, 0.3771, 0.3005

Rectangle

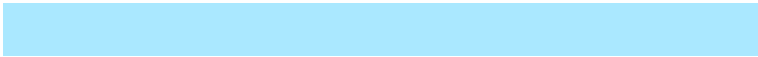
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6057, 0.3908, 0.4136



77.6057, 0.3110, 0.4142



77.6057, 0.2363, 0.2472



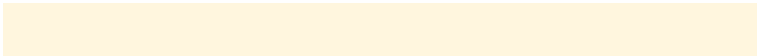
77.6057, 0.3074, 0.2598

Sweetspot

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



77.6028, 0.3908, 0.4136



92.7370, 0.3333, 0.3532



43.5868, 0.3987, 0.2977



19.5982, 0.3371, 0.3575



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

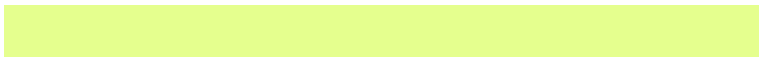
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6028, 0.3908, 0.4136



73.9629, 0.4074, 0.4286



90.0701, 0.3605, 0.4458



20.2550, 0.3276, 0.3466



30.5036, 0.4735, 0.4622



3.1458, 0.4659, 0.4682

Inverse Universe

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



42.0943, 0.2349, 0.2260



34.4914, 0.2186, 0.2015



34.9278, 0.2470, 0.1963



18.1354, 0.2979, 0.3108



5.9765, 0.1583, 0.0898



0.7487, 0.1641, 0.1108

Previews

White Background



This preview shows how the Yxy color 77.6057, 0.3908, 0.4136 looks on a white background.

Color Contrast Check

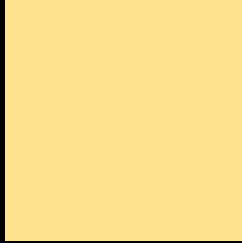
Large Text (above 18pt) WCAG AA × Fail

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 77.6057, 0.3908, 0.4136 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 77.6057, 0.3908, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 77.6057, 0.3908, 0.4136.



This preview shows how white text looks on a background with the Yxy color 77.6057, 0.3908, 0.4136.

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

77.6057, 0.3908, 0.4136

Protanopia

77.6097, 0.3847, 0.4160

Deuteranopia

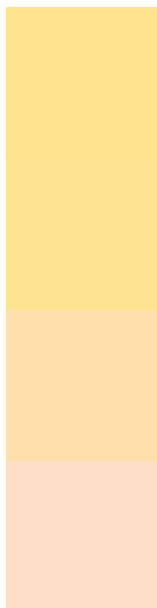
77.6662, 0.3603, 0.3648



Tritanopia

77.6926, 0.3306, 0.3171

Trichromacy



Original Color

77.6057, 0.3908, 0.4136

Protanomaly

77.4306, 0.3866, 0.4146

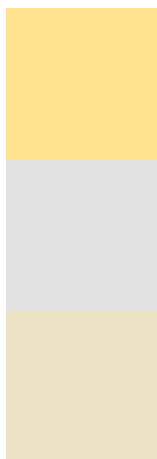
Deuteranomaly

77.5116, 0.3720, 0.3832

Tritanomaly

77.6261, 0.3527, 0.3525

Monochromacy



Original Color

77.6057, 0.3908, 0.4136

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.6234, 0.3407, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6057, 0.3908, 0.4136 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, 226, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 142)  
}
```

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, 226, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 142) }
```

Border

The CSS property to change the border of an element to Yxy 77.6057, 0.3908, 0.4136 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, 226, 142) }
```

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

```
.border{ border-color:rgb(255, 226, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 142); box-shadow:4px 4px 4px 4px rgb(255, 226, 142) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.6057, 0.3908, 0.4136$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 142) }
```

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

```
.background{ background-color: rgb(255,  
226, 142) }
```

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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