

Converting Colors

$Y_{xy}(82.8150, 0.3843, 0.4179)$

Have a look what the booklet for
Yxy(82.8150, 0.3843, 0.4179)
contains.

Yxy(82.7520, 0.3844, 0.4178)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.7520, 0.3844, 0.4178)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB92
RGB	255, 235, 146
RGB Percent	100%, 92%, 57%
CMY	0.0001, 0.0784, 0.4272
CMYK	0.00, 0.08, 0.43, 0.00
HSL	49°, 100%, 79%
HSV	49°, 43%, 100%
XYZ	76.1366, 82.7520, 39.1775
YIQ	230.8340, 40.4890, -23.4390

Conversions

Conversions Part 2

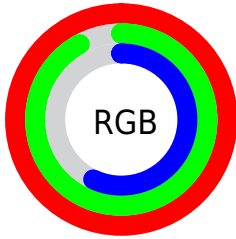
Format	Color
RYB	170, 255, 146
Decimal	16771986
CIELab	92.91, -5.06, 45.52
CIELCh	93, 45.798, 96.345
Yxy	82.7520, 0.3844, 0.4178
Android (android.graphics.Color)	4294962066 (0xFFFFE92)
YUV	230.8340, -41.8232, 21.1936
Hunter-Lab	90.9681, -9.7970, 38.1431

Details

The Yxy color **82.7520, 0.3844, 0.4178** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.6221, 0.2363, 0.2204**, and the grayscale version is **80.0804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **44.9187, 0.3990, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **79.4053, 0.4016, 0.4366**, and if you desaturate by 10%, it is **86.3538, 0.3667, 0.3973**.

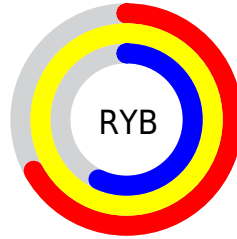
Distribution



Red (100%)

Green (92%)

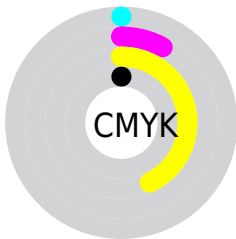
Blue (57%)



Red (67%)

Yellow (100%)

Blue (57%)

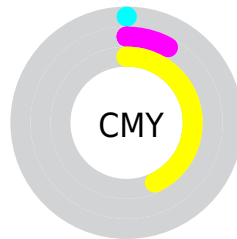


Cyan (0%)

Magenta (8%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7520, 0.3844, 0.4178 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 82.7520, 0.3844, 0.4178 by changing the saturation by 10% instead.


 82.7520, 0.3844,
0.4178


 82.7520, 0.3844,
0.4178

504.1596, 0.3532,
0.3782

 61.9856, 0.3909,
0.4263


 137.2281, 0.3740,
0.4045

 45.0211, 0.3985,
0.4364


 171.7065, 0.3699,
0.3992

 31.4740, 0.4076,
0.4485


211.5244, 0.3662,
0.3946

 20.9601, 0.4183,
0.4633

257.0662, 0.3630,
0.3905

 13.0948, 0.4306,
0.4813

308.7162, 0.3601,
0.3869

 7.4939, 0.4444,
0.5029

366.8588, 0.3575,

 3.7728, 0.4644,

0.3837

431.8785, 0.3552,
0.3808

0.5356

■ 1.5473, 0.4563,
0.5437

■ 0.3217, 0.3616,
0.6384

■ 82.7520, 0.3844,
0.4178

■ 82.7520, 0.3844,
0.4178

■ 79.4053, 0.4016,
0.4366

■ 86.3538, 0.3667,
0.3973

■ 76.2897, 0.4177,
0.4526

■ 90.2104, 0.3493,
0.3761

■ 73.3952, 0.4319,
0.4649

■ 94.3363, 0.3326,
0.3550

■ 70.7057, 0.4434,
0.4727

■ 98.7411, 0.3168,
0.3344

■ 68.2021, 0.4520,
0.4758

99.9974, 0.3127,
0.3290

■ 66.4758, 0.4567,
0.4756

Harmonies

Analogous

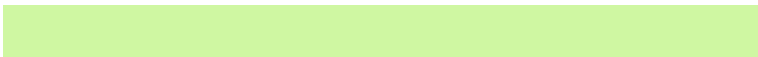
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7520, 0.4139, 0.3881



82.7520, 0.3844, 0.4178



82.7520, 0.3369, 0.4238

Triad

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



82.7520, 0.3844, 0.4178



82.7520, 0.2202, 0.2962



82.7520, 0.3348, 0.2725

Complementary

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



82.7520, 0.3844, 0.4178



40.6221, 0.2363, 0.2204

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.



82.7520, 0.2820, 0.2506



82.7520, 0.3844, 0.4178



82.7520, 0.2197, 0.2606

Square

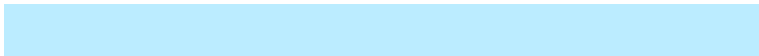
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7520, 0.3844, 0.4178



82.7520, 0.2431, 0.3473



82.7520, 0.2412, 0.2457



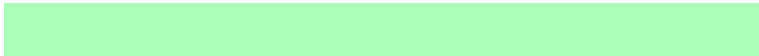
82.7520, 0.3851, 0.3070

Rectangle

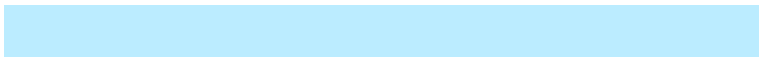
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7520, 0.3844, 0.4178



82.7520, 0.3019, 0.4096



82.7520, 0.2412, 0.2457



82.7520, 0.3166, 0.2636

Sweetspot

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



82.7558, 0.3844, 0.4178



94.2277, 0.3330, 0.3555



44.6551, 0.4019, 0.3064



19.9690, 0.3366, 0.3602



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

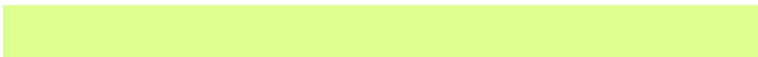
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7558, 0.3844, 0.4178



79.9736, 0.3987, 0.4335



89.1670, 0.3540, 0.4436



20.4907, 0.3274, 0.3483



34.9435, 0.4560, 0.4761



3.5427, 0.4511, 0.4801

Inverse Universe

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



40.6221, 0.2363, 0.2204



33.0088, 0.2199, 0.1950



37.3479, 0.2553, 0.2035



17.9165, 0.2979, 0.3090



4.9793, 0.1547, 0.0767



0.6229, 0.1598, 0.0951

Previews

White Background



This preview shows how the Yxy color 82.7520, 0.3844, 0.4178 looks on a white background.

Color Contrast Check

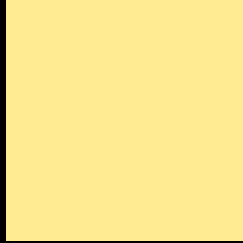
Large Text (above 18pt) WCAG AA × Fail

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 82.7520, 0.3844, 0.4178 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 82.7520, 0.3844, 0.4178

Background



This preview shows how black text looks on a background with the Yxy color 82.7520, 0.3844, 0.4178.



This preview shows how white text looks on a background with the Yxy color 82.7520, 0.3844, 0.4178.

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

82.7520, 0.3844, 0.4178

Protanopia

82.9437, 0.3807, 0.4122

Deuteranopia

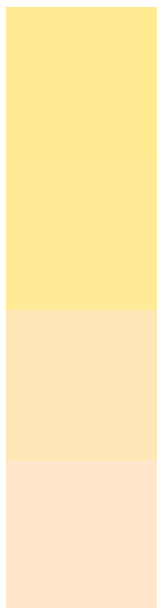
82.8681, 0.3460, 0.3542



Tritanopia

82.4302, 0.3244, 0.3172

Trichromacy



Original Color

82.7520, 0.3844, 0.4178

Protanomaly

82.8787, 0.3820, 0.4141

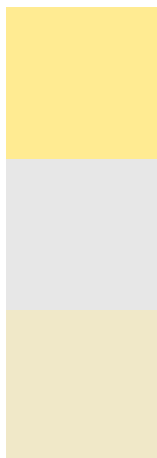
Deuteranomaly

82.4339, 0.3608, 0.3776

Tritanomaly

82.2614, 0.3469, 0.3543

Monochromacy



Original Color

82.7520, 0.3844, 0.4178

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.4086, 0.3391, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7520, 0.3844, 0.4178 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 146) }
```

Border

The CSS property to change the border of an element to Yxy 82.7520, 0.3844, 0.4178 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, 146) }
```

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

```
.border{ border-color:rgb(255, 235, 146) }
```

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, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7520, 0.3844, 0.4178 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, 146) }
```

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

```
.background{ background-color: rgb(255,  
235, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor