

Converting Colors

$Y_{xy}(100.0000, 0.4511, 0.4116)$

Have a look what the booklet for
Yxy(100.0000, 0.4511, 0.4116)
contains.

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Color

Yxy(82.1830, 0.3962, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB7E
RGB	255, 235, 126
RGB Percent	100%, 92%, 49%
CMY	0.0000, 0.0784, 0.5057
CMYK	0.00, 0.08, 0.51, 0.00
HSL	51°, 100%, 75%
HSV	51°, 51%, 100%
XYZ	74.7152, 82.1830, 31.6814
YIQ	228.5540, 46.9090, -29.6590

Conversions

Conversions Part 2

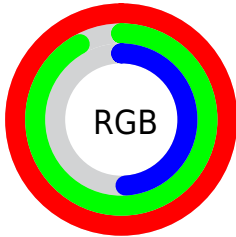
Format	Color
RYB	150, 255, 126
Decimal	16771966
CIELab	92.66, -6.89, 54.81
CIELCh	93, 55.240, 97.166
Yxy	82.1830, 0.3962, 0.4358
Android (android.graphics.Color)	4294962046 (0xFFFFE7E)
YUV	228.5540, -50.5591, 23.1931
Hunter-Lab	90.6548, -11.5311, 42.7382

Details

The Yxy color **82.1830, 0.3962, 0.4358** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.2303, 0.2199, 0.1918**, and the grayscale version is **78.3676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **44.4570, 0.4119, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **79.3715, 0.4117, 0.4529**, and if you desaturate by 10%, it is **85.2202, 0.3795, 0.4161**.

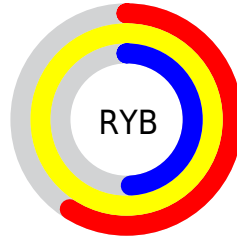
Distribution



Red (100%)

Green (92%)

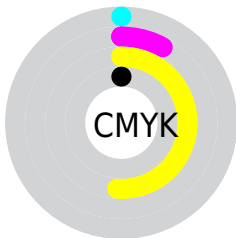
Blue (49%)



Red (59%)

Yellow (100%)

Blue (49%)

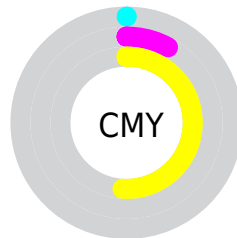


Cyan (0%)

Magenta (8%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1830, 0.3962, 0.4358 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 82.1830, 0.3962, 0.4358 by changing the saturation by 10% instead.


 82.1830, 0.3962,
0.4358


 82.1830, 0.3962,
0.4358


502.2596, 0.3606,
0.3886

 61.5164, 0.4033,
0.4456

 136.4306, 0.3846,
0.4201

 44.6420, 0.4114,
0.4572

 170.7804, 0.3799,
0.4138

 31.1756, 0.4208,
0.4708


 210.4600, 0.3757,
0.4083

 20.7326, 0.4311,
0.4868

255.8539, 0.3720,
0.4034

 12.9287, 0.4420,
0.5052

307.3464, 0.3687,
0.3991

 7.3794, 0.4588,
0.5336

365.3219, 0.3657,

 3.7005, 0.4557,

0.3952

0.5443

430.1648, 0.3630,
0.3918

■ 1.5075, 0.4445,
0.5555

■ 0.2940, 0.2745,
0.7255

■ 82.1830, 0.3962,
0.4358

■ 82.1830, 0.3962,
0.4358

■ 79.3715, 0.4117,
0.4529

■ 85.2202, 0.3795,
0.4161

■ 76.7609, 0.4254,
0.4665

■ 88.4837, 0.3623,
0.3948

■ 74.3398, 0.4366,
0.4756

■ 91.9880, 0.3453,
0.3729

■ 72.0900, 0.4448,
0.4802

■ 95.7434, 0.3290,
0.3512

■ 70.0973, 0.4502,
0.4807

99.7592, 0.3136,
0.3302

99.9988, 0.3127,
0.3290

Harmonies

Analogous

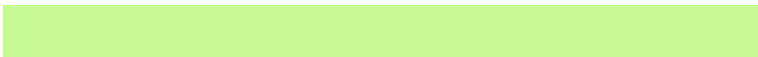
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1830, 0.4335, 0.3988



82.1830, 0.3962, 0.4358



82.1830, 0.3386, 0.4447

Triad

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



82.1830, 0.3962, 0.4358



82.1830, 0.2027, 0.2867



82.1830, 0.3407, 0.2630

Complementary

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



82.1830, 0.3962, 0.4358



32.2303, 0.2199, 0.1918

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.



82.1830, 0.2769, 0.2370



82.1830, 0.3962, 0.4358



82.1830, 0.2031, 0.2460

Square

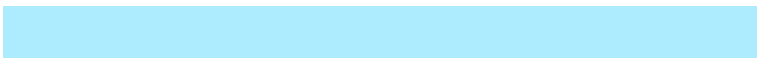
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1830, 0.3962, 0.4358



82.1830, 0.2282, 0.3487



82.1830, 0.2286, 0.2302



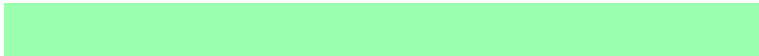
82.1830, 0.4017, 0.3032

Rectangle

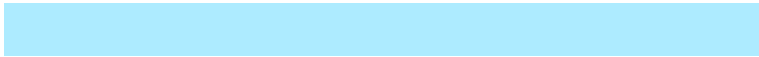
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1830, 0.3962, 0.4358



82.1830, 0.2969, 0.4272



82.1830, 0.2286, 0.2302



82.1830, 0.3186, 0.2525

Sweetspot

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



82.1868, 0.3962, 0.4358



94.0518, 0.3361, 0.3608



38.3184, 0.4331, 0.3073



19.9621, 0.3396, 0.3654



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

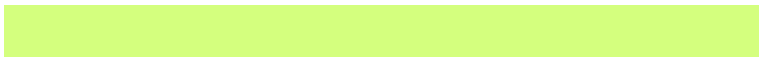
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1868, 0.3962, 0.4358



79.2584, 0.4124, 0.4536



87.0228, 0.3571, 0.4660



20.5827, 0.3273, 0.3489



36.8100, 0.4497, 0.4812



3.7077, 0.4456, 0.4844

Inverse Universe

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



32.2303, 0.2199, 0.1918



24.2039, 0.1996, 0.1589



30.5943, 0.2453, 0.1791



17.8322, 0.2979, 0.3083



4.6834, 0.1536, 0.0727



0.5818, 0.1583, 0.0898

Previews

White Background



This preview shows how the Yxy color 82.1830, 0.3962, 0.4358 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 82.1830, 0.3962, 0.4358 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 82.1830, 0.3962, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 82.1830, 0.3962, 0.4358.



This preview shows how white text looks on a background with the Yxy color 82.1830, 0.3962, 0.4358.

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

82.1830, 0.3962, 0.4358

Protanopia

82.1193, 0.3861, 0.4188

Deuteranopia

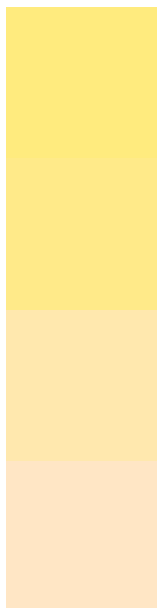
82.1179, 0.3490, 0.3573



Tritanopia

82.3126, 0.3257, 0.3192

Trichromacy



Original Color

82.1830, 0.3962, 0.4358

Protanomaly

81.9118, 0.3903, 0.4253

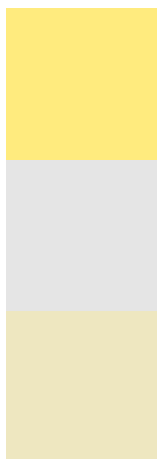
Deuteranomaly

82.0292, 0.3675, 0.3878

Tritanomaly

81.8848, 0.3524, 0.3624

Monochromacy



Original Color

82.1830, 0.3962, 0.4358

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1347, 0.3431, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1830, 0.3962, 0.4358 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 126) }
```

Border

The CSS property to change the border of an element to Yxy 82.1830, 0.3962, 0.4358 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, 126) }
```

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

```
.border{ border-color:rgb(255, 235, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1830, 0.3962, 0.4358 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, 126) }
```

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

```
.background{ background-color: rgb(255,  
235, 126) }
```

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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