

Converting Colors

$Y_{xy}(100.0000, 0.4356, 0.3960)$

Have a look what the booklet for
Yxy(100.0000, 0.4356, 0.3960)
contains.

Yxy(82.8787, 0.3820, 0.4141)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.8787, 0.3820, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB96
RGB	255, 235, 150
RGB Percent	100%, 92%, 59%
CMY	0.0000, 0.0784, 0.4119
CMYK	0.00, 0.08, 0.41, 0.00
HSL	49°, 100%, 79%
HSV	49°, 41%, 100%
XYZ	76.4541, 82.8787, 40.8089
YIQ	231.2900, 39.2050, -22.1950

Conversions

Conversions Part 2

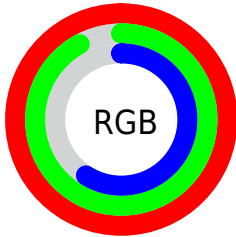
Format	Color
R_{YB}	175, 255, 150
Decimal	16771990
CIE _{Lab}	92.96, -4.66, 43.67
CIE _{LCh}	93, 43.913, 96.086
Yxy	82.8787, 0.3820, 0.4141
Android (android.graphics.Color)	4294962070 (0xFFFFEB96)
YUV	231.2900, -40.0760, 20.7937
Hunter-Lab	91.0377, -9.4105, 37.1489

Details

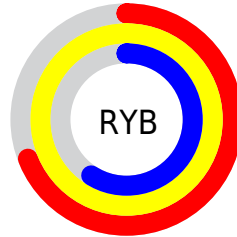
The Yxy color **82.8787, 0.3820, 0.4141** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.4385, 0.2395, 0.2259**, and the grayscale version is **80.4199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **44.9924, 0.3961, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **79.4046, 0.3995, 0.4331**, and if you desaturate by 10%, it is **86.6113, 0.3642, 0.3936**.

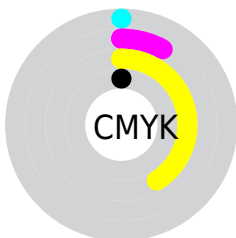
Distribution



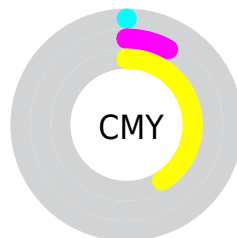
- Red (100%)
- Green (92%)
- Blue (59%)



- Red (69%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (8%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8787, 0.3820, 0.4141 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 82.8787, 0.3820, 0.4141 by changing the saturation by 10% instead.


 82.8787, 0.3820,
0.4141


 82.8787, 0.3820,
0.4141


504.5822, 0.3517,
0.3761

 62.0901, 0.3883,
0.4223


 137.4056, 0.3719,
0.4013

 45.1055, 0.3958,
0.4320


 171.9126, 0.3679,
0.3962

 31.5405, 0.4047,
0.4438


211.7612, 0.3643,
0.3918

 21.0108, 0.4154,
0.4582

257.3359, 0.3612,
0.3879

 13.1319, 0.4279,
0.4759

309.0209, 0.3584,
0.3844

 7.5194, 0.4420,
0.4972

367.2007, 0.3559,

 3.7890, 0.4663,

0.3814

0.5337

432.2596, 0.3537,
0.3786

■ 1.5563, 0.4589,
0.5411

■ 0.3278, 0.3765,
0.6235

■ 82.8787, 0.3820,
0.4141

■ 82.8787, 0.3820,
0.4141

■ 79.4046, 0.3995,
0.4331

■ 86.6113, 0.3642,
0.3936

■ 76.1708, 0.4160,
0.4495

■ 90.6078, 0.3468,
0.3725

■ 73.1656, 0.4308,
0.4623

■ 94.8805, 0.3301,
0.3516

■ 70.3733, 0.4430,
0.4708

■ 99.4393, 0.3145,
0.3313

■ 67.7752, 0.4523,
0.4744

100.0000, 0.3127,
0.3290

■ 65.6214, 0.4584,
0.4743

Harmonies

Analogous

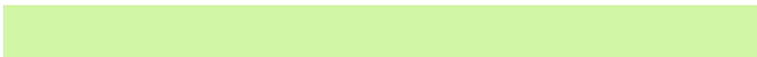
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8787, 0.4100, 0.3858



82.8787, 0.3820, 0.4141



82.8787, 0.3365, 0.4196

Triad

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



82.8787, 0.3820, 0.4141



82.8787, 0.2239, 0.2981



82.8787, 0.3336, 0.2744

Complementary

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



82.8787, 0.3820, 0.4141



42.4385, 0.2395, 0.2259

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.



82.8787, 0.2829, 0.2534



82.8787, 0.3820, 0.4141



82.8787, 0.2232, 0.2636

Square

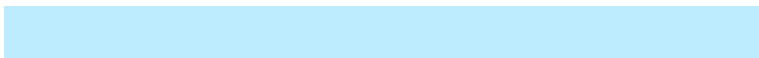
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8787, 0.3820, 0.4141



82.8787, 0.2462, 0.3471



82.8787, 0.2437, 0.2489



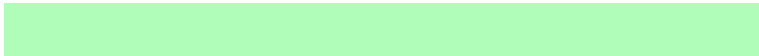
82.8787, 0.3817, 0.3076

Rectangle

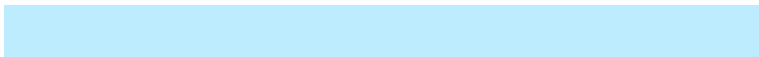
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8787, 0.3820, 0.4141



82.8787, 0.3030, 0.4062



82.8787, 0.2437, 0.2489



82.8787, 0.3161, 0.2658

Sweetspot

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



82.8806, 0.3820, 0.4141



94.5228, 0.3314, 0.3533



46.0032, 0.3973, 0.3072



20.1095, 0.3335, 0.3560



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

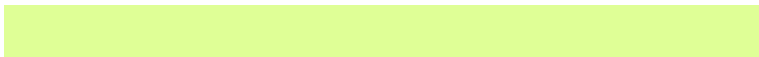
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8806, 0.3820, 0.4141



80.1438, 0.3957, 0.4291



89.4873, 0.3528, 0.4394



20.4682, 0.3274, 0.3481



34.4984, 0.4576, 0.4749



3.5032, 0.4524, 0.4790

Inverse Universe

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



42.4385, 0.2395, 0.2259



35.0274, 0.2240, 0.2023



38.9057, 0.2579, 0.2085



17.9372, 0.2979, 0.3091



5.0593, 0.1550, 0.0778



0.6336, 0.1602, 0.0965

Previews

White Background



This preview shows how the Yxy color 82.8787, 0.3820, 0.4141 looks on a white background.

Color Contrast Check

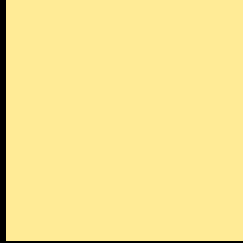
Large Text (above 18pt) WCAG AA × Fail

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 82.8787, 0.3820, 0.4141 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 82.8787, 0.3820, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 82.8787, 0.3820, 0.4141.



This preview shows how white text looks on a background with the Yxy color 82.8787, 0.3820, 0.4141.

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

82.8787, 0.3820, 0.4141

Protanopia

82.9766, 0.3801, 0.4112

Deuteranopia

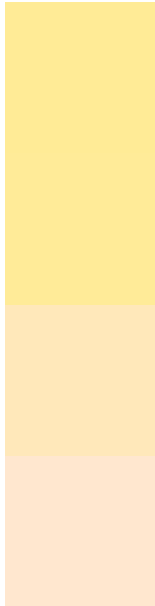
82.9168, 0.3454, 0.3532



Tritanopia

82.9788, 0.3243, 0.3182

Trichromacy



Original Color

82.8787, 0.3820, 0.4141

Protanomaly

82.9437, 0.3807, 0.4122

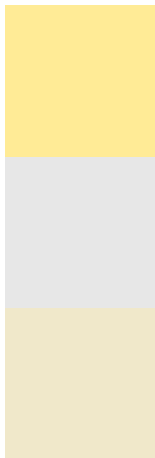
Deuteranomaly

82.5184, 0.3594, 0.3756

Tritanomaly

82.9168, 0.3454, 0.3532

Monochromacy



Original Color

82.8787, 0.3820, 0.4141

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.5028, 0.3378, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8787, 0.3820, 0.4141 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 150) }
```

Border

The CSS property to change the border of an element to Yxy 82.8787, 0.3820, 0.4141 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, 150) }
```

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

```
.border{ border-color:rgb(255, 235, 150) }
```

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, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8787, 0.3820, 0.4141 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, 150) }
```

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

```
.background{ background-color: rgb(255,  
235, 150) }
```

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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