

Converting Colors

$Yxy(82.2888, 0.3528, 0.4047)$

Have a look what the booklet for
Yxy(82.2888, 0.3528, 0.4047)
contains.

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Color

Yxy(82.4710, 0.3530, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	E9F0A8
RGB	233, 240, 168
RGB Percent	91%, 94%, 66%
CMY	0.0863, 0.0588, 0.3411
CMYK	0.03, 0.00, 0.30, 0.06
HSL	66°, 71%, 80%
HSV	66°, 30%, 94%
XYZ	71.8289, 82.4710, 49.1814
YIQ	229.6990, 18.9400, -23.8760

Conversions

Conversions Part 2

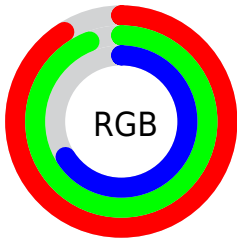
Format	Color
RYB	168, 240, 175
Decimal	15331496
CIELab	92.78, -13.46, 34.10
CIELCh	93, 36.661, 111.535
Yxy	82.4710, 0.3530, 0.4053
Android (android.graphics.Color)	4293521576 (0xFFE9F0A8)
YUV	229.6990, -30.4176, 2.8950
Hunter-Lab	90.8135, -17.7392, 31.4601

Details

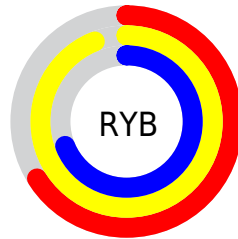
The Yxy color **82.4710, 0.3530, 0.4053** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.4181, 0.2647, 0.2423**, and the grayscale version is **79.1160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **44.8659, 0.3616, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **81.2696, 0.3658, 0.4306**, and if you desaturate by 10%, it is **83.8502, 0.3396, 0.3794**.

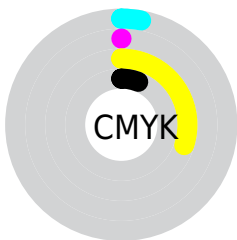
Distribution



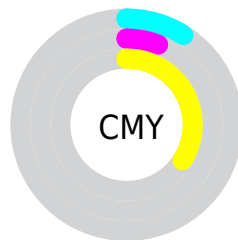
- Red (91%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (30%)
- Black (6%)





- Cyan (9%)
- Magenta (6%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4710, 0.3530, 0.4053 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 82.4710, 0.3530, 0.4053 by changing the saturation by 10% instead.


 82.4710, 0.3530,
0.4053

 82.4710, 0.3530,
0.4053

503.2218, 0.3355,
0.3702

 61.7538, 0.3567,
0.4132

 136.8343, 0.3472,
0.3932

 44.8338, 0.3610,
0.4229

171.2493, 0.3449,
0.3885

 31.3266, 0.3662,
0.4349


210.9989, 0.3428,
0.3844

 20.8476, 0.3724,
0.4503

256.4677, 0.3410,
0.3808

 13.0127, 0.3797,
0.4706

308.0400, 0.3394,
0.3777

 7.4373, 0.3881,
0.4979

366.1002, 0.3380,

 3.7370, 0.4025,

0.3749

0.5447

431.0326, 0.3367,
0.3724

■ 1.5276, 0.4025,
0.5975

■ 0.3080, 0.0000,
1.0000

■ 82.4710, 0.3530,
0.4053

■ 82.4710, 0.3530,
0.4053

■ 81.2696, 0.3658,
0.4306

■ 83.8502, 0.3396,
0.3794

■ 80.2256, 0.3773,
0.4542

■ 85.4044, 0.3260,
0.3538

■ 79.3329, 0.3871,
0.4752

■ 87.1452, 0.3127,
0.3290

■ 78.5803, 0.3947,
0.4926

■ 88.4858, 0.3052,
0.3142

■ 77.9550, 0.3996,
0.5057

■ 88.9037, 0.3067,
0.3143

■ 77.4419, 0.4019,
0.5143

■ 89.3269, 0.3082,
0.3144

■ 77.0154, 0.4020,
0.5190

■ 89.7554, 0.3097,
0.3144

■ 77.0153, 0.4020,
0.5190

■ 90.1893, 0.3113,
0.3145

■ 90.6286, 0.3128,
0.3146

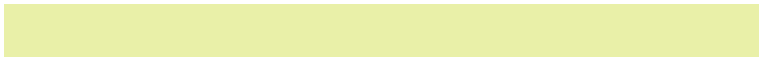
Harmonies

Analogous

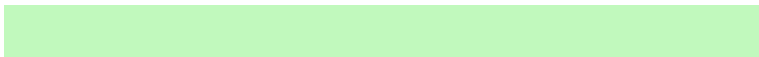
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4710, 0.3850, 0.3914



82.4710, 0.3530, 0.4053



82.4710, 0.3115, 0.3961

Triad

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



82.4710, 0.3530, 0.4053



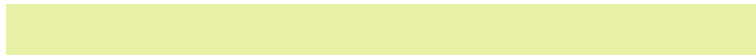
82.4710, 0.2347, 0.2867



82.4710, 0.3522, 0.2964

Complementary

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



82.4710, 0.3530, 0.4053



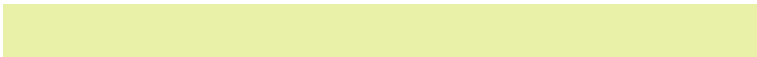
43.4181, 0.2647, 0.2423

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.



82.4710, 0.3093, 0.2723



82.4710, 0.3530, 0.4053



82.4710, 0.2436, 0.2654

Square

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



82.4710, 0.3530, 0.4053



82.4710, 0.2446, 0.3228



82.4710, 0.2700, 0.2610



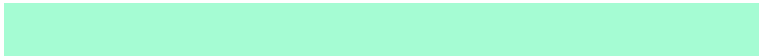
82.4710, 0.3854, 0.3285

Rectangle

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



82.4710, 0.3530, 0.4053



82.4710, 0.2843, 0.3769



82.4710, 0.2700, 0.2610



82.4710, 0.3383, 0.2872

Sweetspot

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



82.4747, 0.3530, 0.4053



98.1868, 0.3247, 0.3513



51.6299, 0.3782, 0.3359



20.9568, 0.3267, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

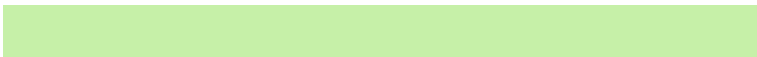
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4747, 0.3530, 0.4053



93.7721, 0.3609, 0.4209



77.1606, 0.3283, 0.4118



18.3761, 0.3253, 0.3524



42.1881, 0.4023, 0.5188



3.5322, 0.4047, 0.5169

Inverse Universe

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



43.4181, 0.2647, 0.2423



42.2739, 0.2529, 0.2216



48.0033, 0.2917, 0.2486



15.3025, 0.2995, 0.3047



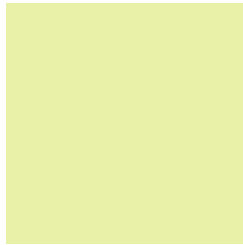
3.5717, 0.1533, 0.0618



0.3218, 0.1608, 0.0659

Previews

White Background



This preview shows how the Yxy color 82.4710, 0.3530, 0.4053 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 82.4710, 0.3530, 0.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

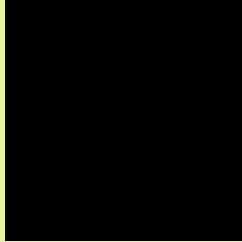
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4710, 0.3530, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 82.4710, 0.3530, 0.4053.

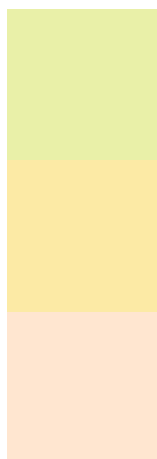


This preview shows how white text looks on a background with the Yxy color 82.4710, 0.3530, 0.4053.

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

82.4710, 0.3530, 0.4053

Protanopia

82.2577, 0.3706, 0.3992

Deuteranopia

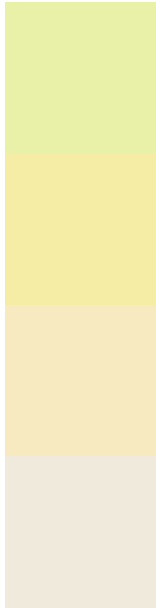
82.4077, 0.3449, 0.3512



Tritanopia

82.4256, 0.3102, 0.3110

Trichromacy



Original Color

82.4710, 0.3530, 0.4053

Protanomaly

82.1566, 0.3641, 0.4014

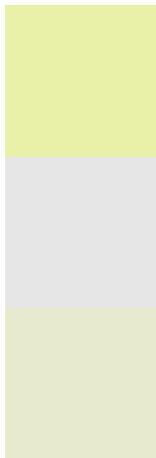
Deuteranomaly

82.4700, 0.3484, 0.3712

Tritanomaly

82.3108, 0.3257, 0.3445

Monochromacy



Original Color

82.4710, 0.3530, 0.4053

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.3396, 0.3278, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4710, 0.3530, 0.4053 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(233, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(233, 240, 168)  
}
```

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(233, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 240, 168) }
```

Border

The CSS property to change the border of an element to Yxy 82.4710, 0.3530, 0.4053 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(233, 240, 168) }
```

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

```
.border{ border-color:rgb(233, 240, 168) }
```

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

Here you see how a box with a 4 pixel rgb(233, 240, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 240, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 240, 168);  
box-shadow:4px 4px 4px 4px rgb(233, 240,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4710, 0.3530, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 240, 168) }
```

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

```
.background{ background-color: rgb(233,  
240, 168) }
```

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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