

Converting Colors

$Yxy(82.7725, 0.3504, 0.4100)$

Have a look what the booklet for
Yxy(82.7725, 0.3504, 0.4100)
contains.

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Color

Yxy(82.7514, 0.3502, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	E4F2A6
RGB	228, 242, 166
RGB Percent	89%, 95%, 65%
CMY	0.1058, 0.0510, 0.3492
CMYK	0.06, 0.00, 0.31, 0.05
HSL	71°, 75%, 80%
HSV	71°, 31%, 95%
XYZ	70.6301, 82.7514, 48.3036
YIQ	229.1500, 16.0520, -26.6040

Conversions

Conversions Part 2

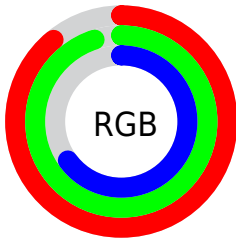
Format	Color
R_{YB}	166, 242, 180
Decimal	15004326
CIE _{Lab}	92.91, -16.54, 35.23
CIE _{LCh}	93, 38.920, 115.142
Yxy	82.7514, 0.3502, 0.4103
Android (android.graphics.Color)	4293194406 (0xFFE4F2A6)
YUV	229.1500, -31.1330, -1.0086
Hunter-Lab	90.9678, -20.6009, 32.1947

Details

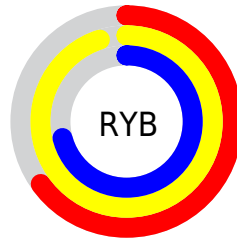
The Yxy color **82.7514, 0.3502, 0.4103** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3637, 0.2668, 0.2387**, and the grayscale version is **78.6966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **45.0807, 0.3577, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **81.2304, 0.3613, 0.4365**, and if you desaturate by 10%, it is **84.4656, 0.3384, 0.3837**.

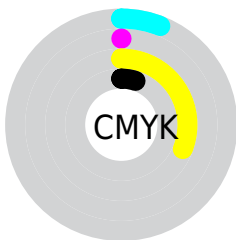
Distribution



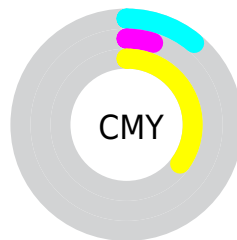
- Red (89%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (71%)



- Cyan (6%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)





- Cyan (11%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7514, 0.3502, 0.4103 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 82.7514, 0.3502, 0.4103 by changing the saturation by 10% instead.


 82.7514, 0.3502,
0.4103


 82.7514, 0.3502,
0.4103

504.1576, 0.3341,
0.3727

 61.9851, 0.3535,
0.4188


 137.2272, 0.3449,
0.3973

 45.0207, 0.3574,
0.4292


 171.7055, 0.3428,
0.3923

 31.4737, 0.3619,
0.4422


211.5233, 0.3409,
0.3879

 20.9598, 0.3673,
0.4588

257.0649, 0.3392,
0.3841

 13.0946, 0.3734,
0.4808

308.7147, 0.3378,
0.3807

 7.4937, 0.3798,
0.5105

366.8572, 0.3364,

 3.7728, 0.3922,


0.3777


0.5634

431.8767, 0.3352,
0.3751


 1.5473, 0.3827,
0.6173


 0.3217, 0.0000,
1.0000

 82.7514, 0.3502,
0.4103


 82.7514, 0.3502,
0.4103


 81.2304, 0.3613,
0.4365


 84.4656, 0.3384,
0.3837


 79.8820, 0.3710,
0.4613


 86.3708, 0.3263,
0.3575


 78.6994, 0.3789,
0.4836


 88.4788, 0.3144,
0.3325

 77.6710, 0.3845,
0.5022


 90.2876, 0.3074,
0.3163

 76.7833, 0.3876,
0.5165

 91.1015, 0.3103,
0.3164

 76.0203, 0.3880,
0.5261

 91.9349, 0.3131,
0.3165

 75.4435, 0.3866,
0.5312

 91.9870, 0.3133,
0.3165

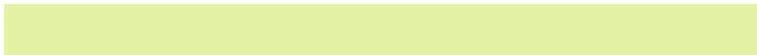
Harmonies

Analogous

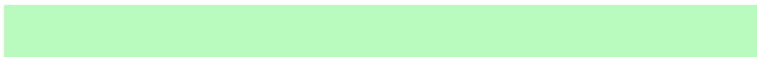
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7514, 0.3860, 0.3977



82.7514, 0.3502, 0.4103



82.7514, 0.3059, 0.3976

Triad

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



82.7514, 0.3502, 0.4103



82.7514, 0.2304, 0.2804



82.7514, 0.3597, 0.2982

Complementary

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



82.7514, 0.3502, 0.4103



43.3637, 0.2668, 0.2387

Split Complementary

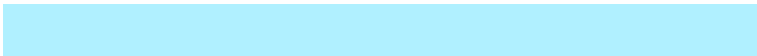
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7514, 0.3145, 0.2716



82.7514, 0.3502, 0.4103



82.7514, 0.2422, 0.2602

Square

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



82.7514, 0.3502, 0.4103



82.7514, 0.2384, 0.3170



82.7514, 0.2719, 0.2578



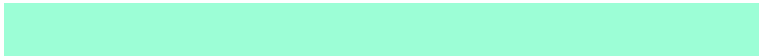
82.7514, 0.3928, 0.3326

Rectangle

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



82.7514, 0.3502, 0.4103



82.7514, 0.2777, 0.3754



82.7514, 0.2719, 0.2578



82.7514, 0.3452, 0.2882

Sweetspot

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



82.7551, 0.3502, 0.4103



97.8172, 0.3234, 0.3514



54.2307, 0.3799, 0.3445



20.8652, 0.3252, 0.3551



0.0000, 0.0000, 0.0000



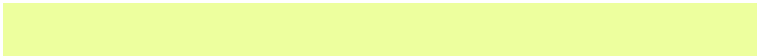
21.4041, 0.3127, 0.3290

Same Dimension

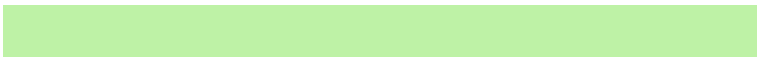
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7551, 0.3502, 0.4103



92.0269, 0.3577, 0.4279



77.2105, 0.3239, 0.4176



18.3035, 0.3240, 0.3525



40.5827, 0.3872, 0.5308



3.4138, 0.3916, 0.5272

Inverse Universe

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



43.3637, 0.2668, 0.2387



40.9291, 0.2548, 0.2165



48.5606, 0.2966, 0.2460



15.3686, 0.3008, 0.3048



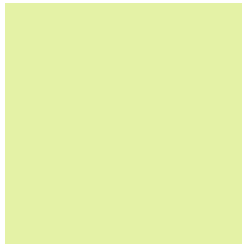
3.7802, 0.1586, 0.0647



0.3531, 0.1699, 0.0710

Previews

White Background



This preview shows how the Yxy color 82.7514, 0.3502, 0.4103 looks on a white background.

Color Contrast Check

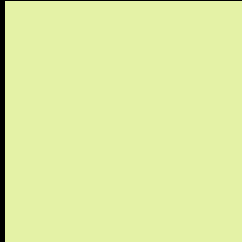
Large Text (above 18pt) WCAG AA × Fail

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 82.7514, 0.3502, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

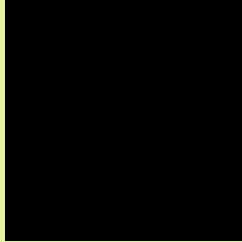
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.7514, 0.3502, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 82.7514, 0.3502, 0.4103.

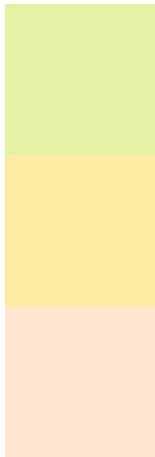


This preview shows how white text looks on a background with the Yxy color 82.7514, 0.3502, 0.4103.

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

82.7514, 0.3502, 0.4103

Protanopia

82.3726, 0.3726, 0.4010

Deuteranopia

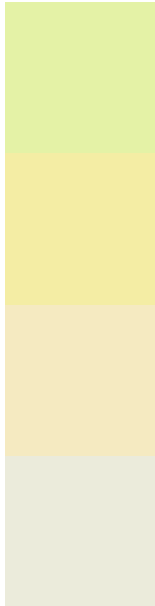
82.4077, 0.3449, 0.3512



Tritanopia

82.4047, 0.3062, 0.3099

Trichromacy



Original Color

82.7514, 0.3502, 0.4103

Protanomaly

82.4818, 0.3644, 0.4045

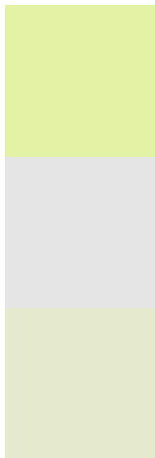
Deuteranomaly

82.1084, 0.3470, 0.3714

Tritanomaly

82.1933, 0.3228, 0.3457

Monochromacy



Original Color

82.7514, 0.3502, 0.4103

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.9599, 0.3271, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7514, 0.3502, 0.4103 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(228, 242, 166)` looks like.

```
.text, #text, p{  
    color:rgb(228, 242, 166)  
}
```

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(228, 242, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 242, 166) }
```

Border

The CSS property to change the border of an element to Yxy 82.7514, 0.3502, 0.4103 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(228, 242, 166) }
```

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

```
.border{ border-color:rgb(228, 242, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 242, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 242, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 242, 166);  
box-shadow:4px 4px 4px 4px rgb(228, 242,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7514, 0.3502, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 242, 166) }
```

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

```
.background{ background-color: rgb(228,  
242, 166) }
```

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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