

Converting Colors

$Yxy(82.3406, 0.3619, 0.4289)$

Have a look what the booklet for
Yxy(82.3406, 0.3619, 0.4289)
contains.

Yxy(82.3004, 0.3616, 0.4287)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.3004, 0.3616, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	E5F294
RGB	229, 242, 148
RGB Percent	90%, 95%, 58%
CMY	0.1019, 0.0510, 0.4195
CMYK	0.05, 0.00, 0.39, 0.05
HSL	68°, 78%, 76%
HSV	68°, 39%, 95%
XYZ	69.4188, 82.3004, 40.2575
YIQ	227.3970, 22.4260, -31.9900

Conversions

Conversions Part 2

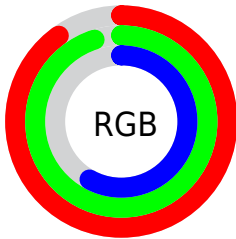
Format	Color
R_{YB}	148, 242, 161
Decimal	15069844
CIE _{Lab}	92.71, -18.29, 43.88
CIE _{LCh}	93, 47.538, 112.623
Yxy	82.3004, 0.3616, 0.4287
Android (android.graphics.Color)	4293259924 (0xFFE5F294)
YUV	227.3970, -39.1427, 1.4058
Hunter-Lab	90.7196, -22.1707, 37.1933

Details

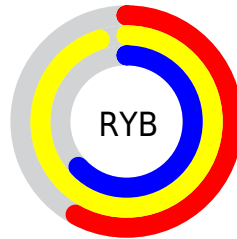
The Yxy color **82.3004, 0.3616, 0.4287** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.1795, 0.2503, 0.2131**, and the grayscale version is **77.4054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **44.7330, 0.3699, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **81.0716, 0.3726, 0.4533**, and if you desaturate by 10%, it is **83.7074, 0.3495, 0.4028**.

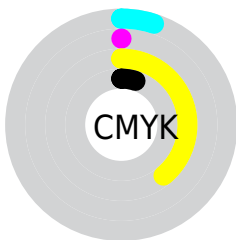
Distribution



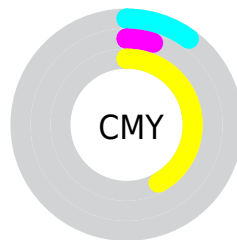
- Red (90%)
- Green (95%)
- Blue (58%)



- Red (58%)
- Yellow (95%)
- Blue (63%)



- Cyan (5%)
- Magenta (0%)
- Yellow (39%)
- Black (5%)




- Cyan (10%)
- Magenta (5%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3004, 0.3616, 0.4287 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 82.3004, 0.3616, 0.4287 by changing the saturation by 10% instead.

 82.3004, 0.3616,
0.4287


 82.3004, 0.3616,
0.4287


502.6520, 0.3410,
0.3828

 61.6132, 0.3657,
0.4389


 136.5952, 0.3549,
0.4129

 44.7202, 0.3704,
0.4514


 170.9715, 0.3522,
0.4067

 31.2371, 0.3757,
0.4668


210.6797, 0.3498,
0.4014

 20.7795, 0.3817,
0.4862

256.1041, 0.3476,
0.3967

 12.9629, 0.3878,
0.5110

307.6292, 0.3457,
0.3926

 7.4030, 0.3927,
0.5431

365.6392, 0.3440,

 3.7154, 0.4015,

0.3889

0.5985

430.5187, 0.3424,
0.3857

■ 1.5157, 0.3704,
0.6296

■ 0.2997, 0.0000,
1.0000

■ 82.3004, 0.3616,
0.4287

■ 82.3004, 0.3616,
0.4287

■ 81.0716, 0.3726,
0.4533

■ 83.7074, 0.3495,
0.4028

■ 79.9997, 0.3819,
0.4754


■ 85.2908, 0.3367,
0.3766

■ 79.0772, 0.3890,
0.4941


■ 87.0627, 0.3239,
0.3508

■ 78.2913, 0.3935,
0.5086


■ 89.0312, 0.3113,
0.3262


 77.6269, 0.3954,
0.5185


 90.2665, 0.3073,
0.3163

 77.0614, 0.3949,
0.5242

 90.8752, 0.3095,
0.3164

 76.9981, 0.3948,
0.5247

 91.4948, 0.3116,
0.3165

 91.9826, 0.3133,
0.3165

Harmonies

Analogous

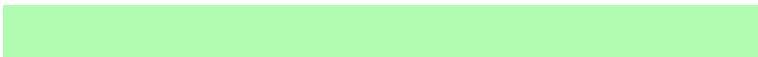
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3004, 0.4042, 0.4091



82.3004, 0.3616, 0.4287



82.3004, 0.3080, 0.4170

Triad

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



82.3004, 0.3616, 0.4287



82.3004, 0.2138, 0.2722



82.3004, 0.3656, 0.2885

Complementary

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



82.3004, 0.3616, 0.4287



35.1795, 0.2503, 0.2131

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.



82.3004, 0.3097, 0.2582



82.3004, 0.3616, 0.4287



82.3004, 0.2257, 0.2470

Square

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



82.3004, 0.3616, 0.4287



82.3004, 0.2249, 0.3177



82.3004, 0.2592, 0.2431



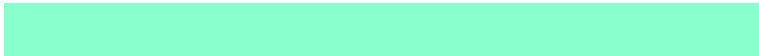
82.3004, 0.4085, 0.3286

Rectangle

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



82.3004, 0.3616, 0.4287



82.3004, 0.2735, 0.3906



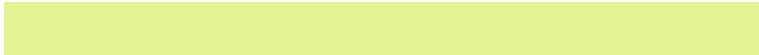
82.3004, 0.2592, 0.2431



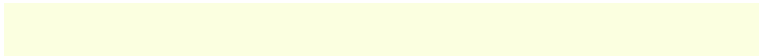
82.3004, 0.3474, 0.2770

Sweetspot

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



82.3041, 0.3616, 0.4287



97.3912, 0.3280, 0.3590



46.3536, 0.4044, 0.3431



20.7891, 0.3297, 0.3624



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

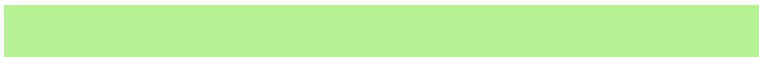
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3041, 0.3616, 0.4287



91.5295, 0.3708, 0.4492



75.6465, 0.3289, 0.4403



18.3420, 0.3247, 0.3525



41.4100, 0.3952, 0.5244



3.4751, 0.3986, 0.5217

Inverse Universe

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



35.1795, 0.2503, 0.2131



31.2358, 0.2339, 0.1844



40.9457, 0.2876, 0.2242



15.3334, 0.3001, 0.3047



3.6550, 0.1554, 0.0630



0.3365, 0.1651, 0.0683

Previews

White Background



This preview shows how the Yxy color 82.3004, 0.3616, 0.4287 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 82.3004, 0.3616, 0.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

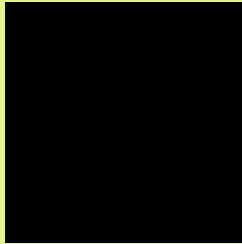
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3004, 0.3616, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 82.3004, 0.3616, 0.4287.

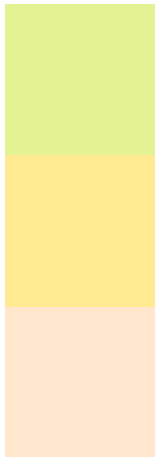


This preview shows how white text looks on a background with the Yxy color 82.3004, 0.3616, 0.4287.

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

82.3004, 0.3616, 0.4287

Protanopia

82.1500, 0.3855, 0.4179

Deuteranopia

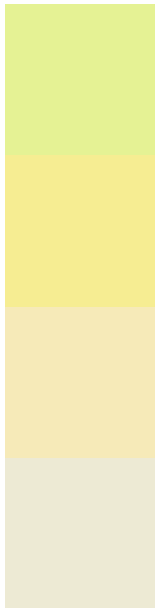
82.2133, 0.3476, 0.3553



Tritanopia

82.0717, 0.3088, 0.3109

Trichromacy



Original Color

82.3004, 0.3616, 0.4287

Protanomaly

82.2365, 0.3770, 0.4219

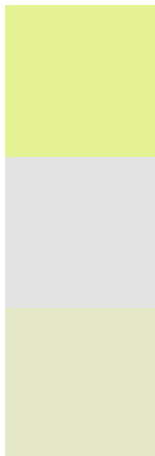
Deuteranomaly

81.8992, 0.3537, 0.3807

Tritanomaly

81.6036, 0.3288, 0.3520

Monochromacy



Original Color

82.3004, 0.3616, 0.4287

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.2844, 0.3318, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3004, 0.3616, 0.4287 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(229, 242, 148)` looks like.

```
.text, #text, p{  
    color:rgb(229, 242, 148)  
}
```

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(229, 242, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 242, 148) }
```

Border

The CSS property to change the border of an element to Yxy 82.3004, 0.3616, 0.4287 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(229, 242, 148) }
```

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

```
.border{ border-color:rgb(229, 242, 148) }
```

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

Here you see how a box with a 4 pixel rgb(229, 242, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 242, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 242, 148);  
box-shadow:4px 4px 4px 4px rgb(229, 242,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3004, 0.3616, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 242, 148) }
```

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

```
.background{ background-color: rgb(229,  
242, 148) }
```

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