

Converting Colors

Yxy(84.2542, 0.3260, 0.3680)

Have a look what the booklet for
Yxy(84.2542, 0.3260, 0.3680)
contains.

Yxy(84.4060, 0.3261, 0.3681)	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(84.4060, 0.3261, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	E4F2CD
RGB	228, 242, 205
RGB Percent	89%, 95%, 80%
CMY	0.1058, 0.0510, 0.1960
CMYK	0.06, 0.00, 0.15, 0.05
HSL	83°, 59%, 88%
HSV	83°, 15%, 95%
XYZ	74.7753, 84.4060, 70.1205
YIQ	233.5960, 3.5330, -14.4750

Conversions

Conversions Part 2

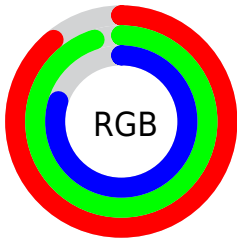
Format	Color
R _Y B	205, 242, 219
Decimal	15004365
CIE Lab	93.63, -10.95, 16.30
CIE LCh	94, 19.636, 123.900
Yxy	84.4060, 0.3261, 0.3681
Android (android.graphics.Color)	4293194445 (0xFFE4F2CD)
YUV	233.5960, -14.0978, -4.9077
Hunter-Lab	91.8727, -15.4959, 19.0587

Details

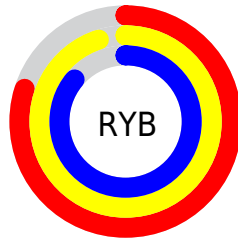
The Yxy color **84.4060, 0.3261, 0.3681** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.1411, 0.2978, 0.2892**, and the grayscale version is **82.0711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1228, 0.3282, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **81.8739, 0.3347, 0.3957**, and if you desaturate by 10%, it is **87.2053, 0.3173, 0.3420**.

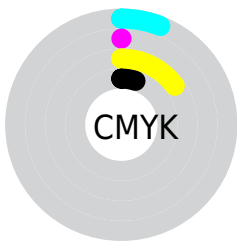
Distribution



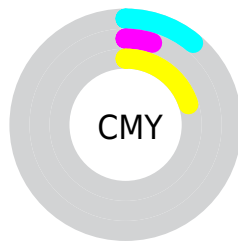
- Red (89%)
- Green (95%)
- Blue (80%)



- Red (80%)
- Yellow (95%)
- Blue (86%)



- Cyan (6%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4060, 0.3261, 0.3681 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 84.4060, 0.3261, 0.3681 by changing the saturation by 10% instead.

84.4060, 0.3261,
0.3681

84.4060, 0.3261,
0.3681

509.6605, 0.3203,
0.3501

63.3507, 0.3274,
0.3722

139.5430, 0.3241,
0.3619

46.1250, 0.3289,
0.3772

174.3934, 0.3234,
0.3595

32.3445, 0.3307,
0.3835

214.6110, 0.3227,
0.3574

21.6247, 0.3330,
0.3917

260.5802, 0.3221,
0.3556

13.5814, 0.3359,
0.4028

312.6854, 0.3215,
0.3540

7.8301, 0.3398,
0.4185

371.3109, 0.3211,

3.9864, 0.3448,

0.3525

0.4425

436.8411, 0.3206,
0.3513

■ 1.6660, 0.3581,
0.4930

■ 0.4015, 0.2215,
0.7785

■ 84.4060, 0.3261,
0.3681

■ 84.4060, 0.3261,
0.3681

■ 81.8739, 0.3347,
0.3957

■ 87.2053, 0.3173,
0.3420

■ 79.5884, 0.3428,
0.4242

■ 90.2696, 0.3087,
0.3178

■ 77.5430, 0.3499,
0.4528

■ 91.9819, 0.3133,
0.3165

■ 75.7268, 0.3555,
0.4802

■ 74.1277, 0.3592,
0.5051

■ 72.7323, 0.3605,
0.5262

■ 71.5249, 0.3594,
0.5424

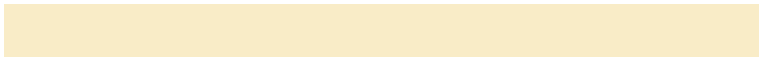
■ 70.4868, 0.3558,
0.5535

■ 70.0426, 0.3536,
0.5574

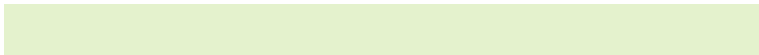
Harmonies

Analogous

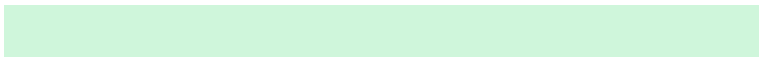
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4060, 0.3456, 0.3668



84.4060, 0.3261, 0.3681



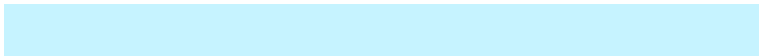
84.4060, 0.3035, 0.3579

Triad

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



84.4060, 0.3261, 0.3681



84.4060, 0.2707, 0.3010



84.4060, 0.3420, 0.3185

Complementary

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



84.4060, 0.3261, 0.3681



65.1411, 0.2978, 0.2892

Split Complementary

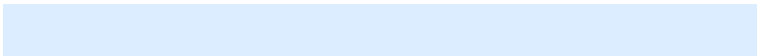
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4060, 0.3209, 0.3025



84.4060, 0.3261, 0.3681



84.4060, 0.2801, 0.2922

Square

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



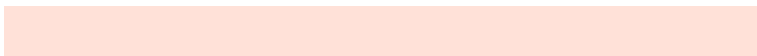
84.4060, 0.3261, 0.3681



84.4060, 0.2720, 0.3180



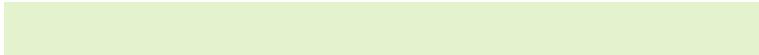
84.4060, 0.2983, 0.2929



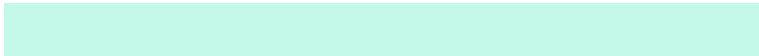
84.4060, 0.3552, 0.3375

Rectangle

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



84.4060, 0.3261, 0.3681



84.4060, 0.2897, 0.3459



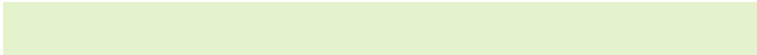
84.4060, 0.2983, 0.2929



84.4060, 0.3355, 0.3126

Sweetspot

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



84.4097, 0.3261, 0.3681



98.3039, 0.3171, 0.3414



73.7287, 0.3393, 0.3433



20.9914, 0.3177, 0.3431



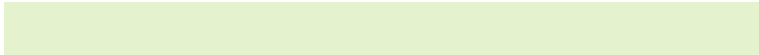
0.0000, 0.0000, 0.0000



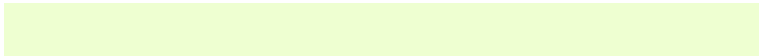
21.4041, 0.3127, 0.3290

Same Dimension

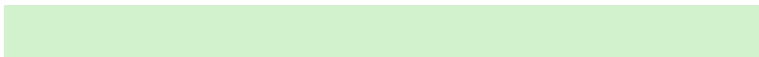
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4097, 0.3261, 0.3681



94.2474, 0.3285, 0.3756



81.6051, 0.3140, 0.3696



18.1435, 0.3210, 0.3527



37.7096, 0.3547, 0.5566



3.1938, 0.3631, 0.5499

Inverse Universe

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



65.1411, 0.2978, 0.2892



69.1093, 0.2947, 0.2814



68.0991, 0.3109, 0.2908



15.5196, 0.3039, 0.3050



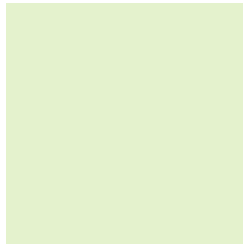
4.7218, 0.1810, 0.0771



0.4480, 0.1956, 0.0851

Previews

White Background



This preview shows how the Yxy color 84.4060, 0.3261, 0.3681 looks on a white background.

Color Contrast Check

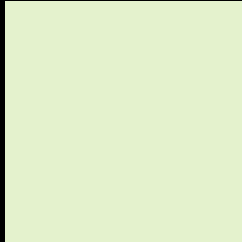
Large Text (above 18pt) WCAG AA × Fail

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 84.4060, 0.3261, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

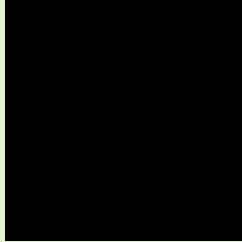
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

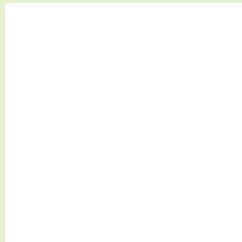
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4060, 0.3261, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 84.4060, 0.3261, 0.3681.

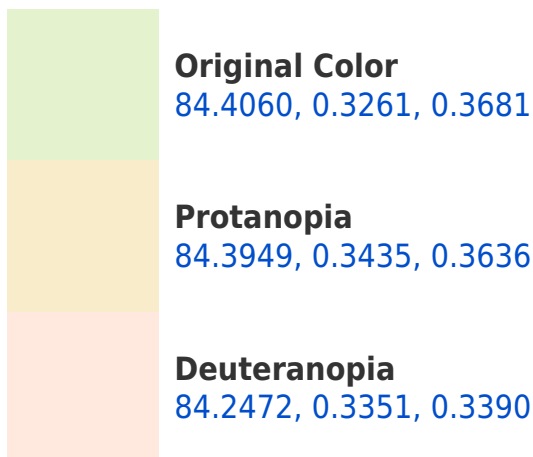


This preview shows how white text looks on a background with the Yxy color 84.4060, 0.3261, 0.3681.

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

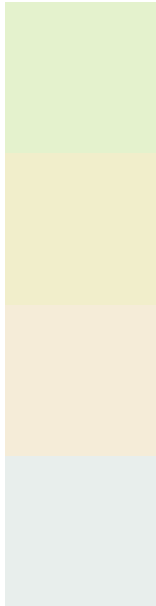




Tritanopia

84.2346, 0.3012, 0.3099

Trichromacy



Original Color

84.4060, 0.3261, 0.3681

Protanomaly

84.1616, 0.3369, 0.3652

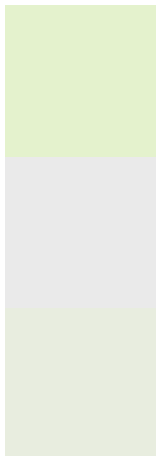
Deuteranomaly

84.3613, 0.3315, 0.3494

Tritanomaly

84.3610, 0.3100, 0.3310

Monochromacy



Original Color

84.4060, 0.3261, 0.3681

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.0519, 0.3181, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4060, 0.3261, 0.3681 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(228, 242, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 242, 205) }
```

Border

The CSS property to change the border of an element to Yxy 84.4060, 0.3261, 0.3681 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, 205) }
```

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

```
.border{ border-color:rgb(228, 242, 205) }
```

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, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 242, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 242, 205);  
box-shadow:4px 4px 4px 4px rgb(228, 242,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4060, 0.3261, 0.3681 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, 205) }
```

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

```
.background{ background-color: rgb(228,  
242, 205) }
```

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