

Converting Colors

$Yxy(83.7698, 0.3149, 0.3538)$

Have a look what the booklet for
Yxy(83.7698, 0.3149, 0.3538)
contains.

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Color

Yxy(83.6605, 0.3149, 0.3534)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DFF1DA |
| RGB | 223, 241, 218 |
| RGB Percent | 87%, 95%, 85% |
| CMY | 0.1253, 0.0549, 0.1452 |
| CMYK | 0.07, 0.00, 0.10, 0.05 |
| HSL | 107°, 45%, 90% |
| HSV | 107°, 10%, 95% |
| XYZ | 74.5464, 83.6605, 78.5235 |
| YIQ | 232.9960, -3.3450, -10.9690 |

Conversions

Conversions Part 2

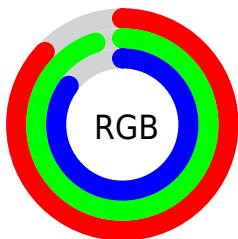
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 218, 241, 236 |
| Decimal | 14676442 |
| CIE Lab | 93.30, -10.03, 9.10 |
| CIE LCh | 93, 13.542, 137.780 |
| Yxy | 83.6605, 0.3149, 0.3534 |
| Android (android.graphics.Color) | 4292866522 (0xFFDFF1DA) |
| YUV | 232.9960, -7.3930, -8.7665 |
| Hunter-Lab | 91.4661, -14.5853, 13.1259 |

Details

The Yxy color **83.6605, 0.3149, 0.3534** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.2954, 0.3102, 0.3053**, and the grayscale version is **81.5457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6671, 0.3155, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **79.6713, 0.3170, 0.3818**, and if you desaturate by 10%, it is **88.1716, 0.3126, 0.3279**.

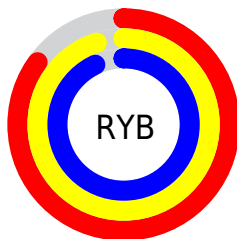
Distribution



Red (87%)

Green (95%)

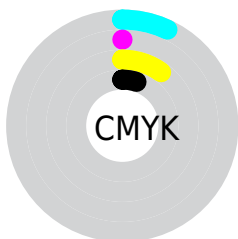
Blue (85%)



Red (85%)

Yellow (95%)

Blue (93%)

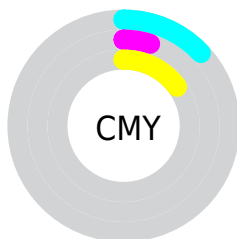


Cyan (7%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (13%)


Magenta (5%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6605, 0.3149, 0.3534 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 83.6605, 0.3149, 0.3534 by changing the saturation by 10% instead.

 83.6605, 0.3149,
0.3534

 83.6605, 0.3149,
0.3534


507.1852, 0.3140,
0.3422

 62.7352, 0.3151,
0.3559

138.5002, 0.3146,
0.3495

 45.6270, 0.3153,
0.3591


173.1833, 0.3145,
0.3480

 31.9516, 0.3155,
0.3630


213.2212, 0.3144,
0.3467

 21.3245, 0.3158,
0.3681

258.9981, 0.3143,
0.3456

 13.3614, 0.3162,
0.3751

310.8986, 0.3142,
0.3446

 7.6779, 0.3165,
0.3850

369.3070, 0.3141,

 3.8895, 0.3169,

0.3437

0.4003

434.6078, 0.3141,
0.3429

■ 1.6120, 0.3167,
0.4270

■ 0.3656, 0.2193,
0.7807

■ 83.6605, 0.3149,
0.3534

■ 83.6605, 0.3149,
0.3534

■ 79.6713, 0.3170,
0.3818

■ 88.1716, 0.3126,
0.3279

■ 76.1745, 0.3187,
0.4129

■ 91.3898, 0.3133,
0.3156

■ 73.1539, 0.3199,
0.4459

■ 70.5885, 0.3203,
0.4798

■ 68.4554, 0.3198,
0.5126

■ 66.7296, 0.3181,
0.5423

■ 65.3836, 0.3152,
0.5666

■ 64.3860, 0.3115,
0.5838

■ 63.6942, 0.3075,
0.5938

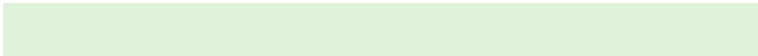
Harmonies

Analogous

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



83.6605, 0.3299, 0.3564



83.6605, 0.3149, 0.3534



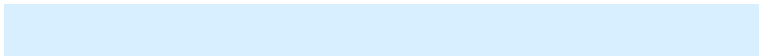
83.6605, 0.2996, 0.3433

Triad

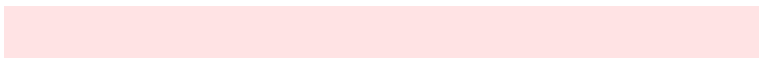
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6605, 0.3149, 0.3534



83.6605, 0.2856, 0.3060



83.6605, 0.3380, 0.3279

Complementary

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



83.6605, 0.3149, 0.3534



74.2954, 0.3102, 0.3053

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.



83.6605, 0.3256, 0.3152



83.6605, 0.3149, 0.3534



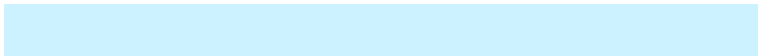
83.6605, 0.2953, 0.3027

Square

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



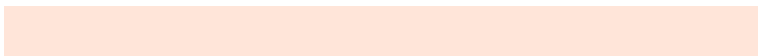
83.6605, 0.3149, 0.3534



83.6605, 0.2829, 0.3156



83.6605, 0.3099, 0.3061



83.6605, 0.3435, 0.3412

Rectangle

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



83.6605, 0.3149, 0.3534



83.6605, 0.2913, 0.3342



83.6605, 0.3099, 0.3061



83.6605, 0.3345, 0.3235

Sweetspot

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



83.6641, 0.3149, 0.3534



98.4032, 0.3134, 0.3364



83.5353, 0.3275, 0.3472



20.9730, 0.3136, 0.3384



0.0000, 0.0000, 0.0000



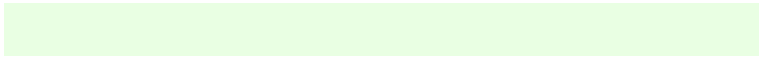
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6641, 0.3149, 0.3534



94.4087, 0.3152, 0.3574



83.1974, 0.3079, 0.3470



17.8242, 0.3149, 0.3532



34.5751, 0.3081, 0.5935



2.9188, 0.3167, 0.5867

Inverse Universe

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



74.2954, 0.3102, 0.3053



82.2376, 0.3098, 0.3015



74.8150, 0.3179, 0.3117



15.8456, 0.3103, 0.3055



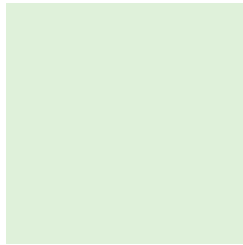
9.2973, 0.2657, 0.1237



0.8163, 0.2733, 0.1279

Previews

White Background



This preview shows how the Yxy color 83.6605, 0.3149, 0.3534 looks on a white background.

Color Contrast Check

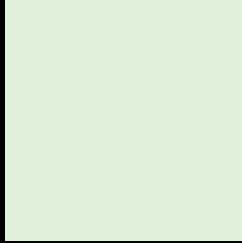
Large Text (above 18pt) WCAG AA × Fail

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 83.6605, 0.3149, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

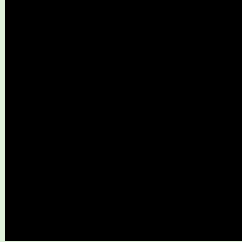
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

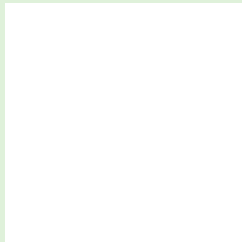
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6605, 0.3149, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 83.6605, 0.3149, 0.3534.

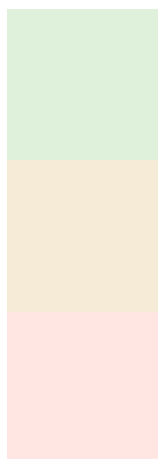


This preview shows how white text looks on a background with the Yxy color 83.6605, 0.3149, 0.3534.

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

83.6605, 0.3149, 0.3534

Protanopia

83.7354, 0.3323, 0.3494

Deuteranopia

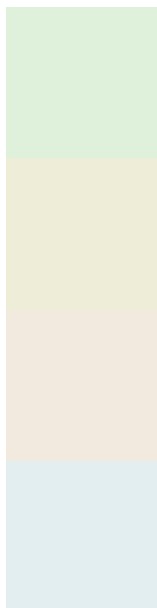
83.3446, 0.3327, 0.3330



Tritanopia

83.8047, 0.2973, 0.3107

Trichromacy



Original Color

83.6605, 0.3149, 0.3534

Protanomaly

83.5308, 0.3259, 0.3508

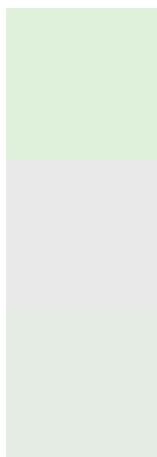
Deuteranomaly

83.2280, 0.3258, 0.3403

Tritanomaly

83.8308, 0.3037, 0.3259

Monochromacy



Original Color

83.6605, 0.3149, 0.3534

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.2504, 0.3130, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6605, 0.3149, 0.3534 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(223, 241, 218)` looks like.

```
.text, #text, p{  
    color:rgb(223, 241, 218)  
}
```

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(223, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 241, 218) }
```

Border

The CSS property to change the border of an element to Yxy 83.6605, 0.3149, 0.3534 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(223, 241, 218) }
```

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

```
.border{ border-color:rgb(223, 241, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 241, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 241, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 241, 218); box-shadow:4px 4px 4px 4px rgb(223, 241, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6605, 0.3149, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 241, 218) }
```

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

```
.background{ background-color: rgb(223,  
241, 218) }
```

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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