

Converting Colors

Yxy(83.2202, 0.3137, 0.3526)

Have a look what the booklet for
Yxy(83.2202, 0.3137, 0.3526)
contains.

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Color

Yxy(83.5021, 0.3142, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	DEF1DA
RGB	222, 241, 218
RGB Percent	87%, 95%, 85%
CMY	0.1293, 0.0549, 0.1451
CMYK	0.08, 0.00, 0.10, 0.05
HSL	110°, 45%, 90%
HSV	110°, 10%, 95%
XYZ	74.2398, 83.5021, 78.5402
YIQ	232.6970, -3.9410, -11.1810

Conversions

Conversions Part 2

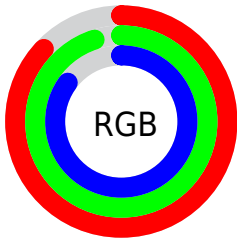
Format	Color
R _Y B	218, 241, 237
Decimal	14610906
CIE Lab	93.23, -10.36, 8.97
CIE LCh	93, 13.705, 139.130
Yxy	83.5021, 0.3142, 0.3534
Android (android.graphics.Color)	4292800986 (0xFFDEF1DA)
YUV	232.6970, -7.2456, -9.3813
Hunter-Lab	91.3795, -14.8945, 13.0062

Details

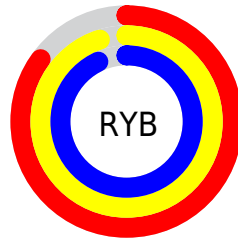
The Yxy color **83.5021, 0.3142, 0.3534** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5015, 0.3110, 0.3054**, and the grayscale version is **81.3084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5578, 0.3147, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **79.3754, 0.3156, 0.3820**, and if you desaturate by 10%, it is **88.1901, 0.3126, 0.3279**.

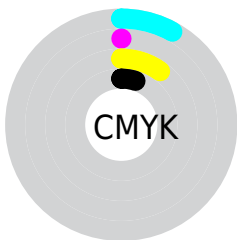
Distribution



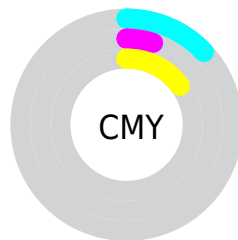
- Red (87%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (13%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5021, 0.3142, 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 83.5021, 0.3142, 0.3534 by changing the saturation by 10% instead.

83.5021, 0.3142,
0.3534

83.5021, 0.3142,
0.3534

506.6584, 0.3136,
0.3422

62.6044, 0.3143,
0.3559

138.2785, 0.3140,
0.3495

45.5213, 0.3144,
0.3591

172.9260, 0.3139,
0.3480

31.8682, 0.3146,
0.3630

212.9256, 0.3139,
0.3467

21.2609, 0.3147,
0.3682

258.6616, 0.3138,
0.3456

13.3148, 0.3149,
0.3751

310.5185, 0.3138,
0.3446

7.6457, 0.3150,
0.3851

368.8807, 0.3137,

3.8691, 0.3149,

0.3437

0.4005

434.1325, 0.3137,
0.3429

■ 1.6006, 0.3140,
0.4274

■ 0.3580, 0.1960,
0.8040

■ 83.5021, 0.3142,
0.3534

■ 83.5021, 0.3142,
0.3534

■ 79.3754, 0.3156,
0.3820

■ 88.1901, 0.3126,
0.3279

■ 75.7786, 0.3166,
0.4134

■ 91.3902, 0.3133,
0.3156

■ 72.6932, 0.3171,
0.4469

■ 70.0956, 0.3170,
0.4813

■ 67.9604, 0.3161,
0.5146

■ 66.2597, 0.3143,
0.5447

■ 64.9625, 0.3116,
0.5692

■ 64.0335, 0.3083,
0.5863

■ 63.4255, 0.3049,
0.5959

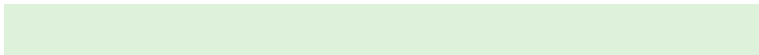
Harmonies

Analogous

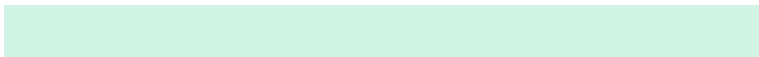
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5021, 0.3295, 0.3568



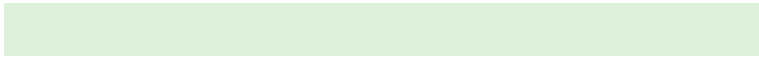
83.5021, 0.3142, 0.3534



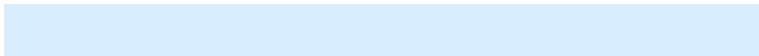
83.5021, 0.2988, 0.3429

Triad

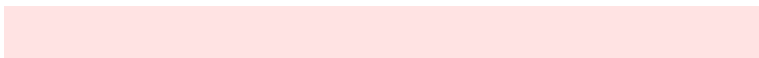
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5021, 0.3142, 0.3534



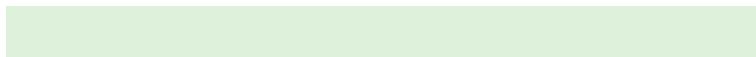
83.5021, 0.2855, 0.3054



83.5021, 0.3387, 0.3285

Complementary

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



83.5021, 0.3142, 0.3534



74.5015, 0.3110, 0.3054

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.



83.5021, 0.3264, 0.3156



83.5021, 0.3142, 0.3534



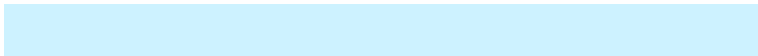
83.5021, 0.2957, 0.3024

Square

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



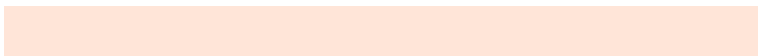
83.5021, 0.3142, 0.3534



83.5021, 0.2825, 0.3149



83.5021, 0.3106, 0.3061



83.5021, 0.3439, 0.3419

Rectangle

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



83.5021, 0.3142, 0.3534



83.5021, 0.2905, 0.3336



83.5021, 0.3106, 0.3061



83.5021, 0.3353, 0.3240

Sweetspot

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



83.5057, 0.3142, 0.3534



98.3389, 0.3132, 0.3364



84.2069, 0.3274, 0.3483



20.9557, 0.3133, 0.3384



0.0000, 0.0000, 0.0000



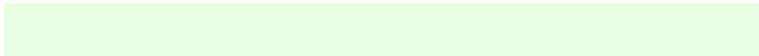
21.4041, 0.3127, 0.3290

Same Dimension

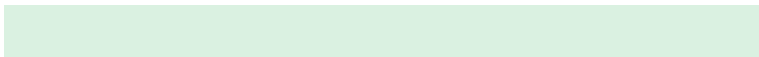
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5057, 0.3142, 0.3534



94.1930, 0.3144, 0.3575



83.2693, 0.3072, 0.3457



17.7889, 0.3142, 0.3532



34.4227, 0.3055, 0.5956



2.9012, 0.3132, 0.5895

Inverse Universe

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



74.5015, 0.3110, 0.3054



82.4744, 0.3107, 0.3016



74.7732, 0.3187, 0.3129



15.8838, 0.3110, 0.3055



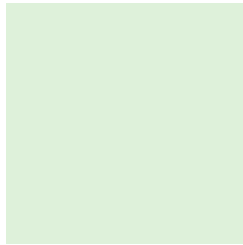
10.0774, 0.2771, 0.1300



0.8746, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 83.5021, 0.3142, 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 83.5021, 0.3142, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

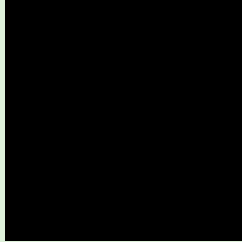
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

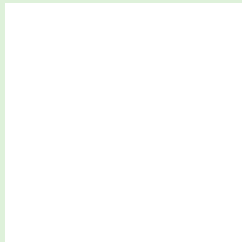
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5021, 0.3142, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 83.5021, 0.3142, 0.3534.

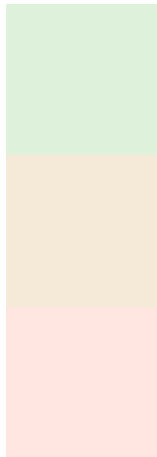


This preview shows how white text looks on a background with the Yxy color 83.5021, 0.3142, 0.3534.

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

83.5021, 0.3142, 0.3534

Protanopia

82.9850, 0.3317, 0.3485

Deuteranopia

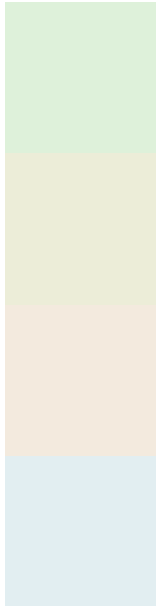
83.2899, 0.3334, 0.3340



Tritanopia

83.6406, 0.2967, 0.3107

Trichromacy



Original Color

83.5021, 0.3142, 0.3534

Protanomaly

83.3591, 0.3252, 0.3508

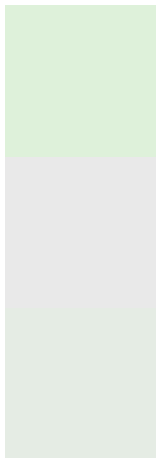
Deuteranomaly

83.1743, 0.3265, 0.3413

Tritanomaly

83.6687, 0.3031, 0.3259

Monochromacy



Original Color

83.5021, 0.3142, 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 83.5021, 0.3142, 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(222, 241, 218)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 241, 218) }
```

Border

The CSS property to change the border of an element to Yxy 83.5021, 0.3142, 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(222, 241, 218) }
```

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

```
.border{ border-color:rgb(222, 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(222, 241, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(222, 241,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5021, 0.3142, 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(222, 241, 218) }
```

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

```
.background{ background-color: rgb(222,  
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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