

Converting Colors

$Yxy(83.5413, 0.3324, 0.3785)$

Have a look what the booklet for
Yxy(83.5413, 0.3324, 0.3785)
contains.

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Color

Yxy(83.3447, 0.3324, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	E4F1C3
RGB	228, 241, 195
RGB Percent	89%, 95%, 76%
CMY	0.1060, 0.0548, 0.2353
CMYK	0.05, 0.00, 0.19, 0.05
HSL	77°, 62%, 85%
HSV	77°, 19%, 95%
XYZ	73.2904, 83.3447, 63.8535
YIQ	231.8690, 7.0180, -17.0620

Conversions

Conversions Part 2

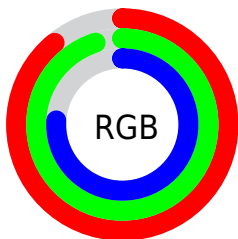
Format	Color
R _Y B	195, 241, 208
Decimal	15004099
CIE Lab	93.17, -12.04, 20.81
CIE LCh	93, 24.041, 120.051
Yxy	83.3447, 0.3324, 0.3780
Android (android.graphics.Color)	4293194179 (0xFFE4F1C3)
YUV	231.8690, -18.1764, -3.3931
Hunter-Lab	91.2933, -16.4632, 22.4360

Details

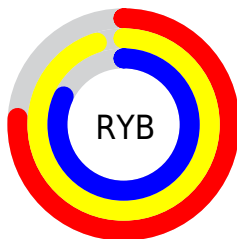
The Yxy color **83.3447, 0.3324, 0.3780** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.8013, 0.2903, 0.2779**, and the grayscale version is **80.7251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **45.3917, 0.3363, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **81.2482, 0.3425, 0.4053**, and if you desaturate by 10%, it is **85.6688, 0.3220, 0.3517**.

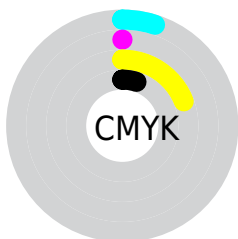
Distribution



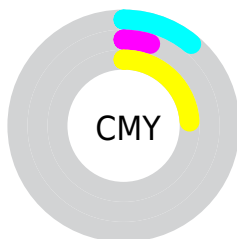
- Red (89%)
- Green (95%)
- Blue (76%)



- Red (76%)
- Yellow (95%)
- Blue (82%)



- Cyan (5%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3447, 0.3324, 0.3780 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 83.3447, 0.3324, 0.3780 by changing the saturation by 10% instead.

83.3447, 0.3324,
0.3780

83.3447, 0.3324,
0.3780

506.1346, 0.3238,
0.3554

62.4746, 0.3342,
0.3831

138.0581, 0.3295,
0.3702

45.4163, 0.3365,
0.3894

172.6702, 0.3284,
0.3671

31.7854, 0.3391,
0.3974

212.6317, 0.3274,
0.3645

21.1977, 0.3425,
0.4078

258.3271, 0.3265,
0.3622

13.2686, 0.3467,
0.4217

310.1406, 0.3257,
0.3602

7.6137, 0.3521,
0.4415

368.4568, 0.3250,

3.8488, 0.3588,

0.3584

0.4713

433.6600, 0.3244,
0.3568

■ 1.5893, 0.3935,
0.5600

■ 0.3504, 0.1005,
0.8995

■ 83.3447, 0.3324,
0.3780

■ 83.3447, 0.3324,
0.3780

■ 81.2482, 0.3425,
0.4053

■ 85.6688, 0.3220,
0.3517

■ 79.3593, 0.3520,
0.4329

■ 88.2178, 0.3118,
0.3268

■ 77.6721, 0.3603,
0.4597

■ 90.1850, 0.3091,
0.3154

■ 76.1760, 0.3668,
0.4845

■ 91.4010, 0.3133,
0.3156

■ 74.8595, 0.3712,
0.5062

■ 73.7092, 0.3731,
0.5237

■ 72.7096, 0.3724,
0.5363

■ 71.8372, 0.3695,
0.5444

■ 71.7617, 0.3692,
0.5451

Harmonies

Analogous

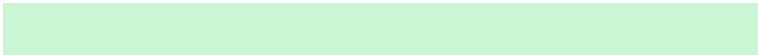
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3447, 0.3555, 0.3741



83.3447, 0.3324, 0.3780



83.3447, 0.3047, 0.3672

Triad

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



83.3447, 0.3324, 0.3780



83.3447, 0.2609, 0.2966



83.3447, 0.3458, 0.3133

Complementary

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



83.3447, 0.3324, 0.3780



58.8013, 0.2903, 0.2779

Split Complementary

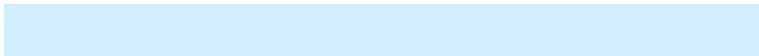
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3447, 0.3190, 0.2947



83.3447, 0.3324, 0.3780



83.3447, 0.2707, 0.2847

Square

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



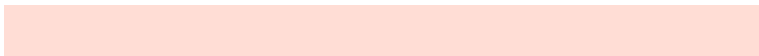
83.3447, 0.3324, 0.3780



83.3447, 0.2642, 0.3183



83.3447, 0.2916, 0.2844



83.3447, 0.3638, 0.3361

Rectangle

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



83.3447, 0.3324, 0.3780



83.3447, 0.2874, 0.3531



83.3447, 0.2916, 0.2844



83.3447, 0.3374, 0.3064

Sweetspot

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



83.3484, 0.3324, 0.3780



98.2392, 0.3189, 0.3438



67.7749, 0.3477, 0.3431



20.9874, 0.3195, 0.3455



0.0000, 0.0000, 0.0000



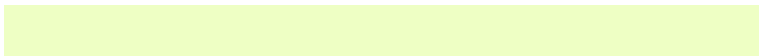
21.4041, 0.3127, 0.3290

Same Dimension

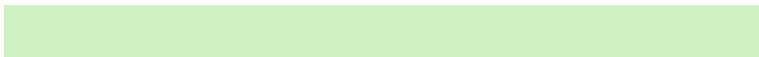
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3484, 0.3324, 0.3780



93.7602, 0.3365, 0.3888



79.8363, 0.3168, 0.3804



18.2206, 0.3224, 0.3526



38.9799, 0.3700, 0.5444



3.2928, 0.3767, 0.5391

Inverse Universe

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



58.8013, 0.2903, 0.2779



61.0033, 0.2849, 0.2661



62.3794, 0.3074, 0.2805



15.4459, 0.3024, 0.3049



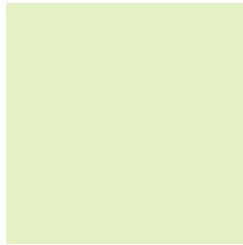
4.1768, 0.1683, 0.0701



0.3960, 0.1819, 0.0775

Previews

White Background



This preview shows how the Yxy color 83.3447, 0.3324, 0.3780 looks on a white background.

Color Contrast Check

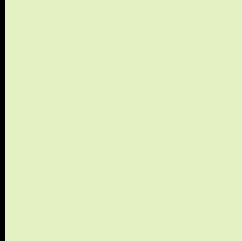
Large Text (above 18pt) WCAG AA × Fail

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 83.3447, 0.3324, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

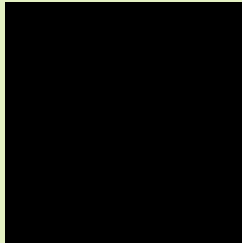
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

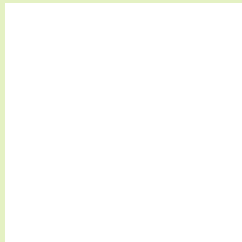
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3447, 0.3324, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 83.3447, 0.3324, 0.3780.

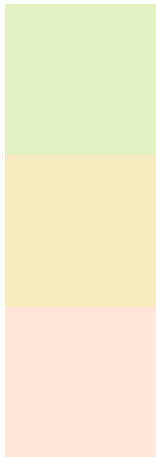


This preview shows how white text looks on a background with the Yxy color 83.3447, 0.3324, 0.3780.

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

83.3447, 0.3324, 0.3780

Protanopia

83.3622, 0.3503, 0.3730

Deuteranopia

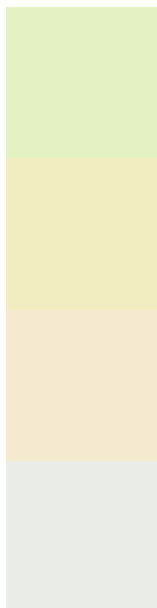
82.8115, 0.3394, 0.3431



Tritanopia

83.1390, 0.3030, 0.3099

Trichromacy



Original Color

83.3447, 0.3324, 0.3780

Protanomaly

83.1194, 0.3435, 0.3748

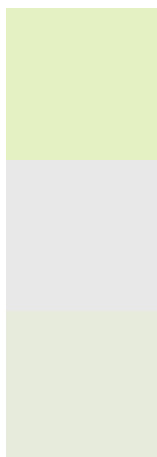
Deuteranomaly

82.8122, 0.3370, 0.3557

Tritanomaly

83.0841, 0.3138, 0.3342

Monochromacy



Original Color

83.3447, 0.3324, 0.3780

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5201, 0.3200, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3447, 0.3324, 0.3780 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, 241, 195)` looks like.

```
.text, #text, p{  
    color:rgb(228, 241, 195)  
}
```

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, 241, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 241, 195) }
```

Border

The CSS property to change the border of an element to Yxy 83.3447, 0.3324, 0.3780 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, 241, 195) }
```

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

```
.border{ border-color:rgb(228, 241, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 241, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 241, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 241, 195); box-shadow:4px 4px 4px 4px rgb(228, 241, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3447, 0.3324, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 241, 195) }
```

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

```
.background{ background-color: rgb(228,  
241, 195) }
```

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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