

Converting Colors

$Yxy(83.4960, 0.3178, 0.3567)$

Have a look what the booklet for
Yxy(83.4960, 0.3178, 0.3567)
contains.

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Color

Yxy(83.6642, 0.3173, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	E0F1D7
RGB	224, 241, 215
RGB Percent	88%, 95%, 84%
CMY	0.1218, 0.0548, 0.1569
CMYK	0.07, 0.00, 0.11, 0.05
HSL	99°, 48%, 89%
HSV	99°, 11%, 95%
XYZ	74.4438, 83.6642, 76.5084
YIQ	232.9530, -1.7860, -11.6900

Conversions

Conversions Part 2

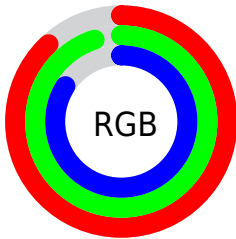
Format	Color
R_{YB}	215, 241, 232
Decimal	14741975
CIE Lab	93.30, -10.25, 10.65
CIE LCh	93, 14.779, 133.895
Yxy	83.6642, 0.3173, 0.3566
Android (android.graphics.Color)	4292932055 (0xFFE0F1D7)
YUV	232.9530, -8.8508, -7.8518
Hunter-Lab	91.4681, -14.7923, 14.4347

Details

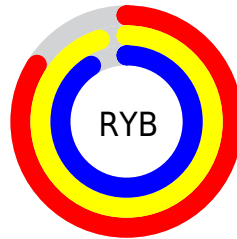
The Yxy color **83.6642, 0.3173, 0.3566** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.1199, 0.3076, 0.3019**, and the grayscale version is **81.5108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6710, 0.3187, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **80.1071, 0.3214, 0.3848**, and if you desaturate by 10%, it is **87.6465, 0.3131, 0.3309**.

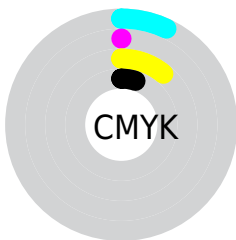
Distribution



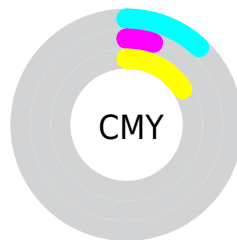
- Red (88%)
- Green (95%)
- Blue (84%)



- Red (84%)
- Yellow (95%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)




- Cyan (12%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6642, 0.3173, 0.3566 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 83.6642, 0.3173, 0.3566 by changing the saturation by 10% instead.


 83.6642, 0.3173,
0.3566

 83.6642, 0.3173,
0.3566


507.1975, 0.3153,
0.3439

 62.7382, 0.3177,
0.3595

138.5053, 0.3166,
0.3522

 45.6295, 0.3182,
0.3630


173.1893, 0.3164,
0.3505

 31.9535, 0.3188,
0.3675


213.2281, 0.3162,
0.3490

 21.3260, 0.3195,
0.3733

259.0060, 0.3160,
0.3478

 13.3625, 0.3204,
0.3812

310.9075, 0.3158,
0.3466

 7.6786, 0.3216,
0.3924

369.3170, 0.3156,

 3.8900, 0.3230,

0.3456

0.4098

434.6189, 0.3155,
0.3447

■ 1.6122, 0.3248,
0.4405

■ 0.3658, 0.2105,
0.7895

■ 83.6642, 0.3173,
0.3566

■ 83.6642, 0.3173,
0.3566

■ 80.1071, 0.3214,
0.3848

■ 87.6465, 0.3131,
0.3309

■ 76.9500, 0.3250,
0.4153

■ 91.4060, 0.3133,
0.3156

■ 74.1814, 0.3279,
0.4472

■ 71.7849, 0.3298,
0.4794

■ 69.7430, 0.3303,
0.5103

■ 68.0366, 0.3292,
0.5380

■ 66.6446, 0.3263,
0.5607

■ 65.5424, 0.3219,
0.5769

■ 64.7531, 0.3171,
0.5865

Harmonies

Analogous

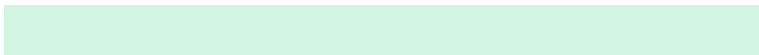
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6642, 0.3333, 0.3587



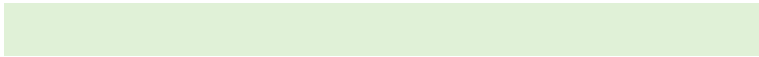
83.6642, 0.3173, 0.3566



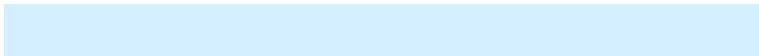
83.6642, 0.3004, 0.3465

Triad

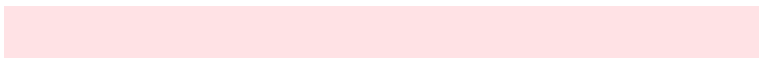
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6642, 0.3173, 0.3566



83.6642, 0.2823, 0.3049



83.6642, 0.3389, 0.3259

Complementary

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



83.6642, 0.3173, 0.3566



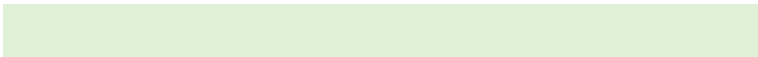
72.1199, 0.3076, 0.3019

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.



83.6642, 0.3246, 0.3125



83.6642, 0.3173, 0.3566



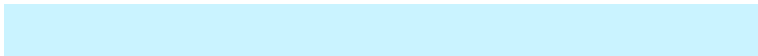
83.6642, 0.2920, 0.3004

Square

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



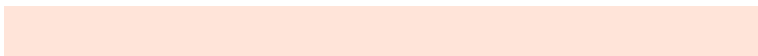
83.6642, 0.3173, 0.3566



83.6642, 0.2805, 0.3161



83.6642, 0.3074, 0.3032



83.6642, 0.3461, 0.3405

Rectangle

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



83.6642, 0.3173, 0.3566



83.6642, 0.2909, 0.3367



83.6642, 0.3074, 0.3032



83.6642, 0.3348, 0.3211

Sweetspot

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



83.6678, 0.3173, 0.3566



98.5766, 0.3140, 0.3364



81.2761, 0.3299, 0.3465



21.0196, 0.3143, 0.3384



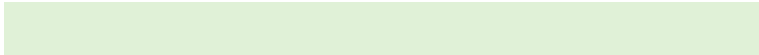
0.0000, 0.0000, 0.0000



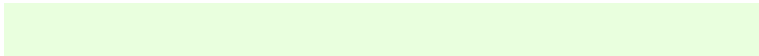
21.4041, 0.3127, 0.3290

Same Dimension

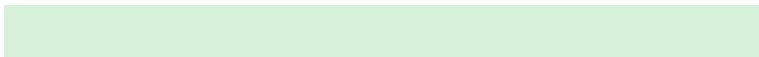
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6678, 0.3173, 0.3566



94.1482, 0.3182, 0.3627



82.4809, 0.3091, 0.3528



17.9201, 0.3167, 0.3530



35.1726, 0.3181, 0.5856



2.9791, 0.3282, 0.5776

Inverse Universe

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



72.1199, 0.3076, 0.3019



78.5482, 0.3064, 0.2960



73.4236, 0.3166, 0.3063



15.7440, 0.3083, 0.3053



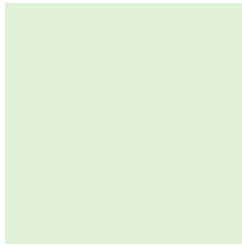
7.4783, 0.2361, 0.1074



0.6769, 0.2473, 0.1136

Previews

White Background



This preview shows how the Yxy color 83.6642, 0.3173, 0.3566 looks on a white background.

Color Contrast Check

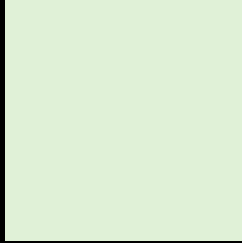
Large Text (above 18pt) WCAG AA × Fail

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 83.6642, 0.3173, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

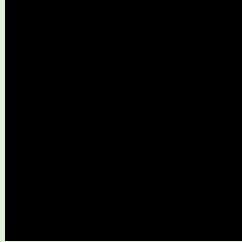
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

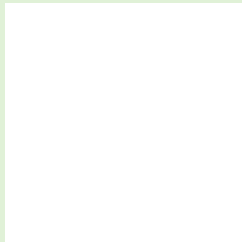
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6642, 0.3173, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 83.6642, 0.3173, 0.3566.

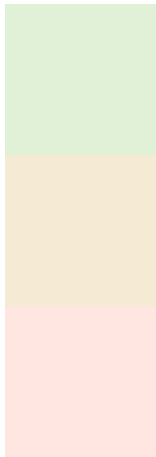


This preview shows how white text looks on a background with the Yxy color 83.6642, 0.3173, 0.3566.

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

83.6642, 0.3173, 0.3566

Protanopia

83.5826, 0.3343, 0.3526

Deuteranopia

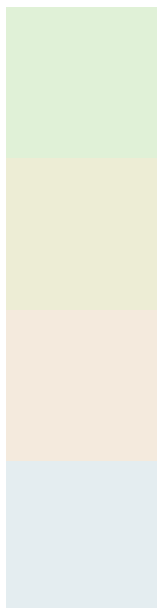
83.2354, 0.3341, 0.3350



Tritanopia

83.3954, 0.2980, 0.3097

Trichromacy



Original Color

83.6642, 0.3173, 0.3566

Protanomaly

83.3770, 0.3278, 0.3539

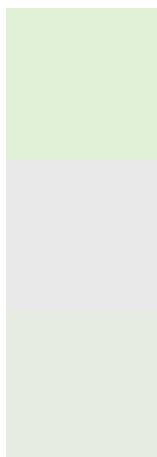
Deuteranomaly

83.2992, 0.3278, 0.3423

Tritanomaly

83.3536, 0.3050, 0.3259

Monochromacy



Original Color

83.6642, 0.3173, 0.3566

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.3049, 0.3149, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6642, 0.3173, 0.3566 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(224, 241, 215)` looks like.

```
.text, #text, p{  
    color:rgb(224, 241, 215)  
}
```

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(224, 241, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 241, 215) }
```

Border

The CSS property to change the border of an element to Yxy 83.6642, 0.3173, 0.3566 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(224, 241, 215) }
```

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

```
.border{ border-color:rgb(224, 241, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 241, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 241, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 241, 215);  
box-shadow:4px 4px 4px 4px rgb(224, 241,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6642, 0.3173, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 241, 215) }
```

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

```
.background{ background-color: rgb(224,  
241, 215) }
```

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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