

Converting Colors

Yxy(84.4818, 0.3145, 0.3427)

Have a look what the booklet for
Yxy(84.4818, 0.3145, 0.3427)
contains.

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Color

Yxy(84.6342, 0.3147, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	E6F0E2
RGB	230, 240, 226
RGB Percent	90%, 94%, 89%
CMY	0.0978, 0.0589, 0.1136
CMYK	0.04, 0.00, 0.06, 0.06
HSL	103°, 32%, 91%
HSV	103°, 6%, 94%
XYZ	77.5382, 84.6342, 84.2153
YIQ	235.4140, -1.4660, -6.4740

Conversions

Conversions Part 2

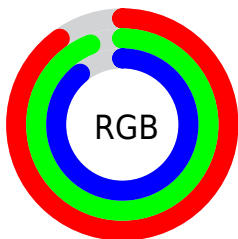
Format	Color
R _{YB}	226, 240, 236
Decimal	15134946
CIE Lab	93.73, -5.76, 5.60
CIE LCh	94, 8.031, 135.838
Yxy	84.6342, 0.3147, 0.3435
Android (android.graphics.Color)	4293325026 (0xFFE6F0E2)
YUV	235.4140, -4.6411, -4.7481
Hunter-Lab	91.9968, -10.5483, 10.1228

Details

The Yxy color **84.6342, 0.3147, 0.3435** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.5180, 0.3106, 0.3147**, and the grayscale version is **83.4568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2199, 0.3144, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **80.7258, 0.3180, 0.3706**, and if you desaturate by 10%, it is **89.0102, 0.3113, 0.3192**.

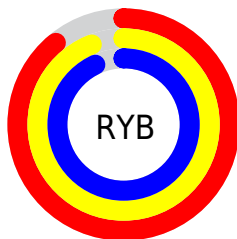
Distribution



Red (90%)

Green (94%)

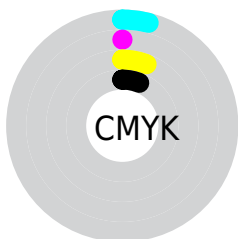
Blue (89%)



Red (89%)

Yellow (94%)

Blue (93%)

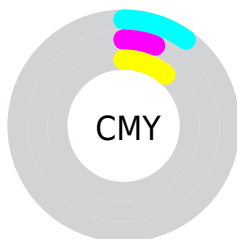


Cyan (4%)

Magenta (0%)

Yellow (6%)

Black (6%)



Cyan (10%)

Magenta (6%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6342, 0.3147, 0.3435 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 84.6342, 0.3147, 0.3435 by changing the saturation by 10% instead.

84.6342, 0.3147,
0.3435

84.6342, 0.3147,
0.3435

510.4169, 0.3138,
0.3369

63.5392, 0.3149,
0.3450

139.8620, 0.3144,
0.3412

46.2775, 0.3151,
0.3468

174.7635, 0.3143,
0.3403

32.4649, 0.3154,
0.3491

215.0360, 0.3142,
0.3396

21.7168, 0.3157,
0.3520

261.0639, 0.3141,
0.3389

13.6490, 0.3162,
0.3560

313.2315, 0.3140,
0.3383

7.8769, 0.3168,
0.3616

371.9233, 0.3140,

4.0163, 0.3176,

0.3378

0.3702

437.5236, 0.3139,
0.3373

■ 1.6827, 0.3187,
0.3850

■ 0.4124, 0.3483,
0.5715

■ 84.6342, 0.3147,
0.3435

■ 84.6342, 0.3147,
0.3435

■ 80.7258, 0.3180,
0.3706

■ 89.0102, 0.3113,
0.3192

■ 77.2586, 0.3210,
0.4003

■ 90.7918, 0.3134,
0.3146

■ 74.2198, 0.3235,
0.4321

■ 71.5920, 0.3252,
0.4650

■ 69.3565, 0.3257,
0.4975

■ 67.4930, 0.3249,
0.5278

■ 65.9792, 0.3227,
0.5538

■ 64.7900, 0.3190,
0.5737

■ 63.8960, 0.3143,
0.5864

Harmonies

Analogous

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



84.6342, 0.3234, 0.3451



84.6342, 0.3147, 0.3435



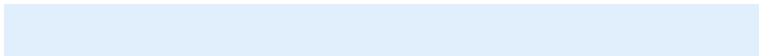
84.6342, 0.3056, 0.3379

Triad

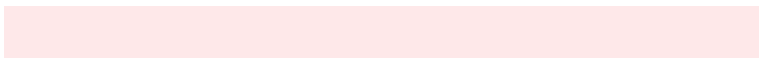
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6342, 0.3147, 0.3435



84.6342, 0.2963, 0.3157



84.6342, 0.3272, 0.3280

Complementary

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



84.6342, 0.3147, 0.3435



78.5180, 0.3106, 0.3147

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.



84.6342, 0.3198, 0.3204



84.6342, 0.3147, 0.3435



84.6342, 0.3020, 0.3133

Square

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



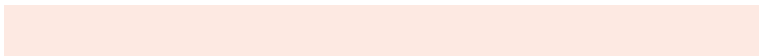
84.6342, 0.3147, 0.3435



84.6342, 0.2950, 0.3217



84.6342, 0.3105, 0.3151



84.6342, 0.3307, 0.3359

Rectangle

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



84.6342, 0.3147, 0.3435



84.6342, 0.3004, 0.3327



84.6342, 0.3105, 0.3151



84.6342, 0.3251, 0.3253

Sweetspot

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



84.6378, 0.3147, 0.3435



98.9952, 0.3134, 0.3339



83.8888, 0.3217, 0.3390



21.1996, 0.3134, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

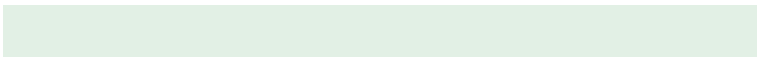
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6378, 0.3147, 0.3435



96.5770, 0.3151, 0.3466



84.1309, 0.3103, 0.3407



18.0417, 0.3153, 0.3481



34.8765, 0.3133, 0.5895



2.9504, 0.3228, 0.5819

Inverse Universe

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



78.5180, 0.3106, 0.3147



88.1680, 0.3101, 0.3116



79.0531, 0.3152, 0.3176



16.3479, 0.3099, 0.3102



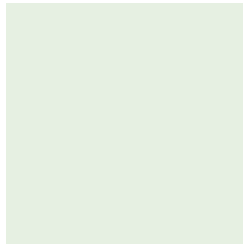
8.2239, 0.2488, 0.1144



0.7347, 0.2586, 0.1198

Previews

White Background



This preview shows how the Yxy color 84.6342, 0.3147, 0.3435 looks on a white background.

Color Contrast Check

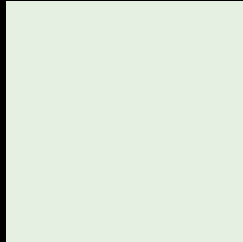
Large Text (above 18pt) WCAG AA × Fail

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 84.6342, 0.3147, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

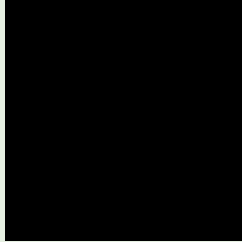
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

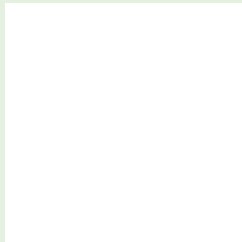
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6342, 0.3147, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 84.6342, 0.3147, 0.3435.

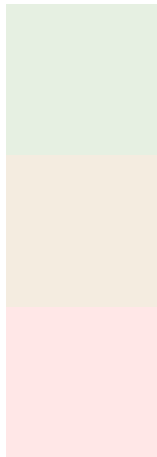


This preview shows how white text looks on a background with the Yxy color 84.6342, 0.3147, 0.3435.

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

84.6342, 0.3147, 0.3435

Protanopia

84.6058, 0.3257, 0.3412

Deuteranopia

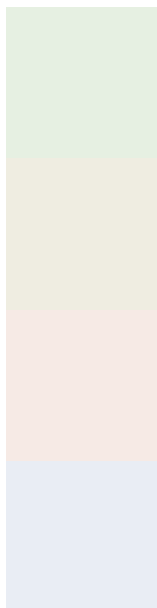
84.1813, 0.3293, 0.3291



Tritanopia

84.6391, 0.3005, 0.3109

Trichromacy



Original Color

84.6342, 0.3147, 0.3435

Protanomaly

84.3553, 0.3215, 0.3413

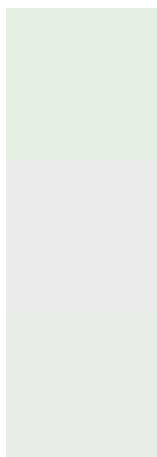
Deuteranomaly

84.0956, 0.3240, 0.3341

Tritanomaly

84.4237, 0.3058, 0.3219

Monochromacy



Original Color

84.6342, 0.3147, 0.3435

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.7182, 0.3131, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6342, 0.3147, 0.3435 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(230, 240, 226)` looks like.

```
.text, #text, p{  
    color:rgb(230, 240, 226)  
}
```

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(230, 240, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 240, 226) }
```

Border

The CSS property to change the border of an element to Yxy 84.6342, 0.3147, 0.3435 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(230, 240, 226) }
```

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

```
.border{ border-color:rgb(230, 240, 226) }
```

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

Here you see how a box with a 4 pixel rgb(230, 240, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 240, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 240, 226);  
box-shadow:4px 4px 4px 4px rgb(230, 240,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6342, 0.3147, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 240, 226) }
```

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

```
.background{ background-color: rgb(230,  
240, 226) }
```

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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