

Converting Colors

Yxy(85.0389, 0.3161, 0.3441)

Have a look what the booklet for
Yxy(85.0389, 0.3161, 0.3441)
contains.

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Color

Yxy(84.9670, 0.3160, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	E8F0E2
RGB	232, 240, 226
RGB Percent	91%, 94%, 89%
CMY	0.0902, 0.0588, 0.1138
CMYK	0.03, 0.00, 0.06, 0.06
HSL	94°, 32%, 91%
HSV	94°, 6%, 94%
XYZ	78.1647, 84.9670, 84.2249
YIQ	236.0120, -0.2740, -6.0500

Conversions

Conversions Part 2

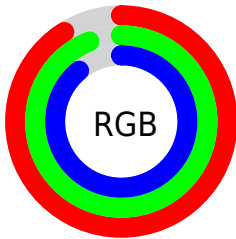
Format	Color
R _Y B	226, 240, 234
Decimal	15266018
CIE Lab	93.87, -5.13, 5.84
CIE LCh	94, 7.767, 131.292
Yxy	84.9670, 0.3160, 0.3435
Android (android.graphics.Color)	4293456098 (0xFFE8F0E2)
YUV	236.0120, -4.9359, -3.5185
Hunter-Lab	92.1775, -9.9463, 10.3495

Details

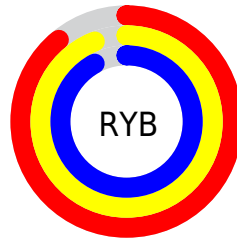
The Yxy color **84.9670, 0.3160, 0.3435** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.1724, 0.3093, 0.3146**, and the grayscale version is **83.9308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4514, 0.3161, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **81.5379, 0.3216, 0.3702**, and if you desaturate by 10%, it is **88.7670, 0.3104, 0.3192**.

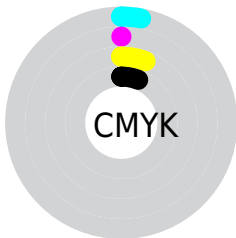
Distribution



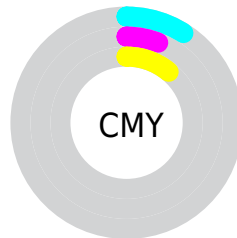
- Red (91%)
- Green (94%)
- Blue (89%)



- Red (89%)
- Yellow (94%)
- Blue (92%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (6%)





- Cyan (9%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9670, 0.3160, 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 84.9670, 0.3160, 0.3435 by changing the saturation by 10% instead.


 84.9670, 0.3160,
0.3435

 84.9670, 0.3160,
0.3435

511.5189, 0.3146,
0.3369

 63.8141, 0.3163,
0.3450


140.3271, 0.3155,
0.3412

 46.5001, 0.3167,
0.3468

175.3030, 0.3153,
0.3404

 32.6407, 0.3172,
0.3491


215.6555, 0.3151,
0.3396

 21.8513, 0.3178,
0.3520

261.7688, 0.3150,
0.3389

 13.7477, 0.3186,
0.3560

314.0274, 0.3149,
0.3383

 7.9454, 0.3196,
0.3615

372.8157, 0.3148,

 4.0600, 0.3212,

0.3378

0.3701

438.5181, 0.3146,
0.3373

■ 1.7072, 0.3236,
0.3846

■ 0.4283, 0.3668,
0.5572

■ 84.9670, 0.3160,
0.3435

■ 84.9670, 0.3160,
0.3435

■ 81.5379, 0.3216,
0.3702

■ 88.7670, 0.3104,
0.3192

■ 78.4569, 0.3269,
0.3991

■ 90.8044, 0.3134,
0.3146

■ 75.7154, 0.3316,
0.4296

■ 73.3002, 0.3353,
0.4607

■ 71.1971, 0.3378,
0.4912

■ 69.3909, 0.3384,
0.5194

■ 67.8646, 0.3371,
0.5437

■ 66.5989, 0.3338,
0.5625

■ 65.5710, 0.3287,
0.5751

Harmonies

Analogous

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



84.9670, 0.3241, 0.3443



84.9670, 0.3160, 0.3435



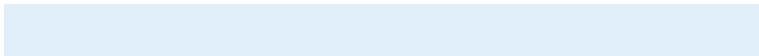
84.9670, 0.3071, 0.3386

Triad

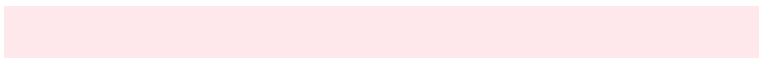
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9670, 0.3160, 0.3435



84.9670, 0.2964, 0.3168



84.9670, 0.3259, 0.3268

Complementary

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



84.9670, 0.3160, 0.3435



78.1724, 0.3093, 0.3146

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.



84.9670, 0.3183, 0.3197



84.9670, 0.3160, 0.3435



84.9670, 0.3013, 0.3140

Square

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



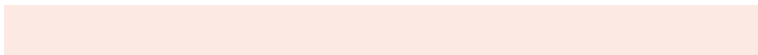
84.9670, 0.3160, 0.3435



84.9670, 0.2958, 0.3231



84.9670, 0.3093, 0.3150



84.9670, 0.3299, 0.3346

Rectangle

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



84.9670, 0.3160, 0.3435



84.9670, 0.3019, 0.3337



84.9670, 0.3093, 0.3150



84.9670, 0.3236, 0.3243

Sweetspot

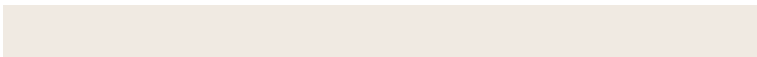
The Sweet Spot groups the original color and five complimentary colors.



84.9707, 0.3160, 0.3435



99.1274, 0.3138, 0.3339



82.8251, 0.3219, 0.3372



21.2265, 0.3138, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

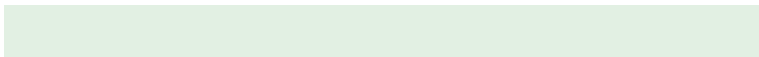
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9707, 0.3160, 0.3435



97.0199, 0.3167, 0.3465



84.0338, 0.3115, 0.3427



18.1308, 0.3170, 0.3480



35.7643, 0.3275, 0.5782



3.0328, 0.3377, 0.5700

Inverse Universe

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



78.1724, 0.3093, 0.3146



87.7129, 0.3085, 0.3116



79.1511, 0.3140, 0.3157



16.2561, 0.3082, 0.3101



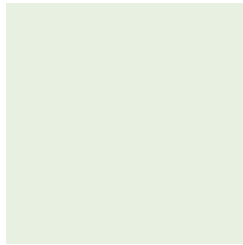
6.4413, 0.2170, 0.0969



0.5944, 0.2301, 0.1041

Previews

White Background



This preview shows how the Yxy color 84.9670, 0.3160, 0.3435 looks on a white background.

Color Contrast Check

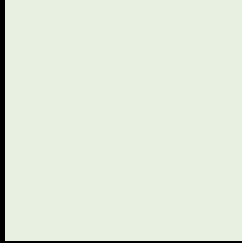
Large Text (above 18pt) WCAG AA × Fail

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 84.9670, 0.3160, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

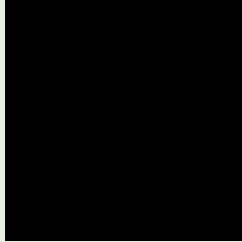
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

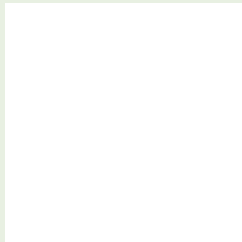
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9670, 0.3160, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 84.9670, 0.3160, 0.3435.

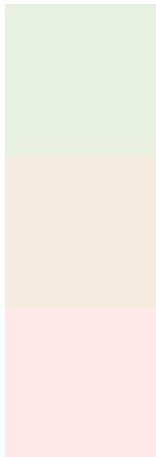


This preview shows how white text looks on a background with the Yxy color 84.9670, 0.3160, 0.3435.

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

84.9670, 0.3160, 0.3435

Protanopia

84.7852, 0.3264, 0.3412

Deuteranopia

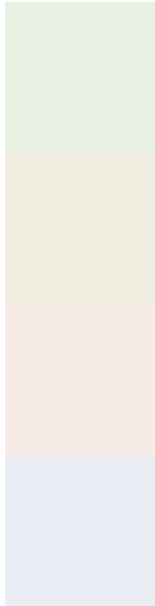
84.7427, 0.3292, 0.3300



Tritanopia

84.9795, 0.3018, 0.3110

Trichromacy



Original Color

84.9670, 0.3160, 0.3435

Protanomaly

84.5299, 0.3222, 0.3413

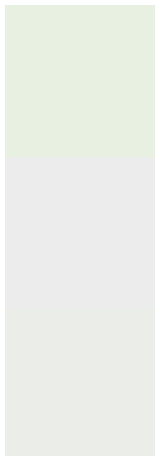
Deuteranomaly

84.8480, 0.3246, 0.3351

Tritanomaly

84.7622, 0.3071, 0.3219

Monochromacy



Original Color

84.9670, 0.3160, 0.3435

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0567, 0.3145, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9670, 0.3160, 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(232, 240, 226)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 240, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 240, 226) }
```

Border

The CSS property to change the border of an element to Yxy 84.9670, 0.3160, 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(232, 240, 226) }
```

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

```
.border{ border-color:rgb(232, 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(232, 240, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 240, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 240, 226);  
box-shadow:4px 4px 4px 4px rgb(232, 240,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9670, 0.3160, 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(232, 240, 226) }
```

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

```
.background{ background-color: rgb(232,  
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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