

Converting Colors

Yxy(84.7019, 0.3153, 0.3481)

Have a look what the booklet for
Yxy(84.7019, 0.3153, 0.3481)
contains.

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Color

Yxy(84.7323, 0.3151, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	E4F1DF
RGB	228, 241, 223
RGB Percent	89%, 95%, 87%
CMY	0.1059, 0.0549, 0.1255
CMYK	0.05, 0.00, 0.07, 0.05
HSL	103°, 39%, 91%
HSV	103°, 7%, 95%
XYZ	76.7658, 84.7323, 82.1255
YIQ	235.0610, -1.9700, -8.3540

Conversions

Conversions Part 2

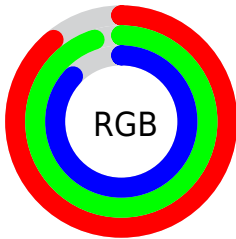
Format	Color
R _Y B	223, 241, 236
Decimal	15004127
CIE Lab	93.77, -7.50, 7.20
CIE LCh	94, 10.397, 136.173
Yxy	84.7323, 0.3151, 0.3478
Android (android.graphics.Color)	4293194207 (0xFFE4F1DF)
YUV	235.0610, -5.9461, -6.1925
Hunter-Lab	92.0501, -12.2266, 11.5376

Details

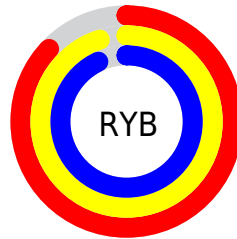
The Yxy color **84.7323, 0.3151, 0.3478** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.9702, 0.3101, 0.3105**, and the grayscale version is **83.1745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4093, 0.3158, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **80.8171, 0.3182, 0.3754**, and if you desaturate by 10%, it is **89.1276, 0.3119, 0.3230**.

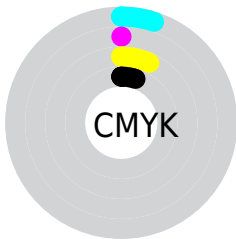
Distribution



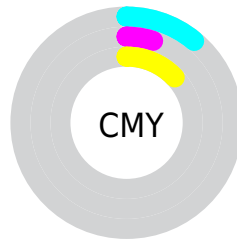
- Red (89%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (93%)



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



- Cyan (11%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7323, 0.3151, 0.3478 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 84.7323, 0.3151, 0.3478 by changing the saturation by 10% instead.

84.7323, 0.3151,
0.3478

84.7323, 0.3151,
0.3478

510.7418, 0.3141,
0.3392

63.6202, 0.3153,
0.3497

139.9991, 0.3148,
0.3449

46.3431, 0.3156,
0.3521

174.9226, 0.3146,
0.3437

32.5167, 0.3159,
0.3551

215.2187, 0.3145,
0.3427

21.7565, 0.3163,
0.3589

261.2718, 0.3144,
0.3418

13.6781, 0.3168,
0.3642

313.4662, 0.3143,
0.3411

7.8971, 0.3174,
0.3716

372.1865, 0.3142,

4.0292, 0.3182,

0.3404

0.3829

437.8169, 0.3141,
0.3398

■ 1.6899, 0.3192,
0.4024

■ 0.4171, 0.3384,
0.6616

■ 84.7323, 0.3151,
0.3478

■ 84.7323, 0.3151,
0.3478

■ 80.8171, 0.3182,
0.3754

■ 89.1276, 0.3119,
0.3230

■ 77.3549, 0.3209,
0.4056

■ 91.3966, 0.3133,
0.3156

■ 74.3319, 0.3230,
0.4378

■ 71.7299, 0.3244,
0.4709

■ 69.5292, 0.3246,
0.5034

■ 67.7083, 0.3234,
0.5333

■ 66.2436, 0.3209,
0.5585

■ 65.1084, 0.3171,
0.5772

■ 64.2701, 0.3123,
0.5889

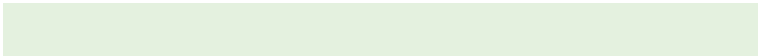
Harmonies

Analogous

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



84.7323, 0.3264, 0.3498



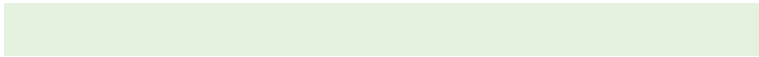
84.7323, 0.3151, 0.3478



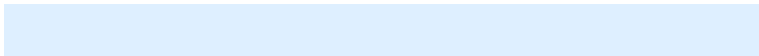
84.7323, 0.3033, 0.3404

Triad

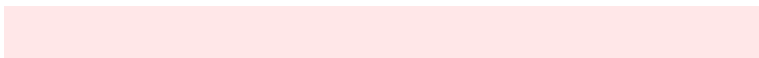
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7323, 0.3151, 0.3478



84.7323, 0.2916, 0.3117



84.7323, 0.3316, 0.3277

Complementary

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



84.7323, 0.3151, 0.3478



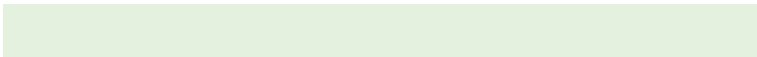
76.9702, 0.3101, 0.3105

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.



84.7323, 0.3220, 0.3180



84.7323, 0.3151, 0.3478



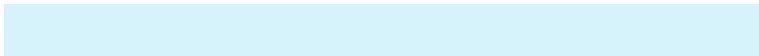
84.7323, 0.2989, 0.3088

Square

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



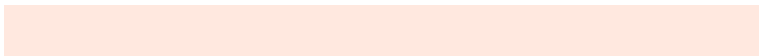
84.7323, 0.3151, 0.3478



84.7323, 0.2899, 0.3194



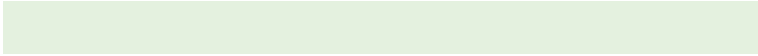
84.7323, 0.3100, 0.3111



84.7323, 0.3361, 0.3380

Rectangle

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



84.7323, 0.3151, 0.3478



84.7323, 0.2967, 0.3336



84.7323, 0.3100, 0.3111



84.7323, 0.3289, 0.3243

Sweetspot

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



84.7359, 0.3151, 0.3478



98.9826, 0.3134, 0.3339



83.9696, 0.3243, 0.3422



21.1970, 0.3133, 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.



84.7359, 0.3151, 0.3478



95.5941, 0.3156, 0.3519



84.1469, 0.3095, 0.3438



17.8677, 0.3157, 0.3531



34.8120, 0.3122, 0.5903



2.9439, 0.3216, 0.5829

Inverse Universe

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



76.9702, 0.3101, 0.3105



85.0383, 0.3095, 0.3066



77.6031, 0.3161, 0.3146



15.7991, 0.3094, 0.3054



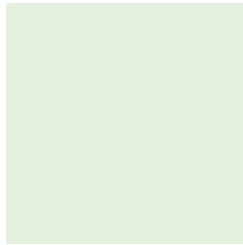
8.4195, 0.2520, 0.1162



0.7497, 0.2614, 0.1213

Previews

White Background



This preview shows how the Yxy color 84.7323, 0.3151, 0.3478 looks on a white background.

Color Contrast Check

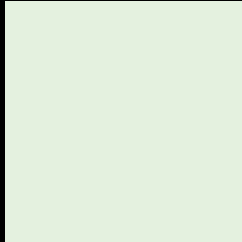
Large Text (above 18pt) WCAG AA × Fail

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 84.7323, 0.3151, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

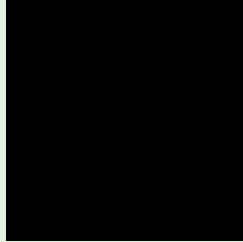
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

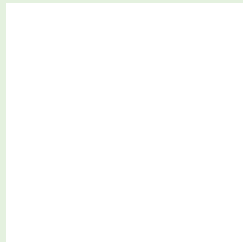
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7323, 0.3151, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 84.7323, 0.3151, 0.3478.

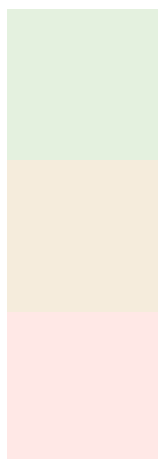


This preview shows how white text looks on a background with the Yxy color 84.7323, 0.3151, 0.3478.

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

84.7323, 0.3151, 0.3478

Protanopia

84.5707, 0.3290, 0.3453

Deuteranopia

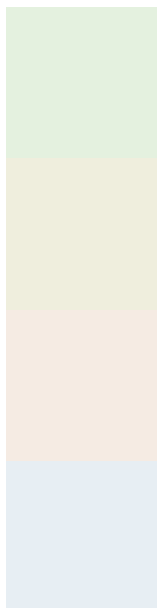
84.6864, 0.3298, 0.3310



Tritanopia

84.5345, 0.2993, 0.3099

Trichromacy



Original Color

84.7323, 0.3151, 0.3478

Protanomaly

84.7203, 0.3240, 0.3465

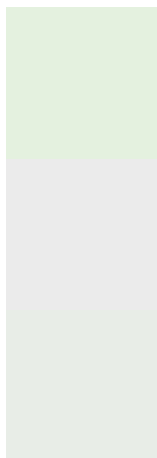
Deuteranomaly

84.3752, 0.3246, 0.3371

Tritanomaly

84.6091, 0.3051, 0.3239

Monochromacy



Original Color

84.7323, 0.3151, 0.3478

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4937, 0.3131, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7323, 0.3151, 0.3478 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(228, 241, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 241, 223) }
```

Border

The CSS property to change the border of an element to Yxy 84.7323, 0.3151, 0.3478 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, 223) }
```

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

```
.border{ border-color:rgb(228, 241, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 241, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 241, 223);  
box-shadow:4px 4px 4px 4px rgb(228, 241,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7323, 0.3151, 0.3478 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, 223) }
```

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

```
.background{ background-color: rgb(228,  
241, 223) }
```

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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