

Converting Colors

$Y_{xy}(87.1345, 0.3225, 0.3488)$

Have a look what the booklet for
Yxy(87.1345, 0.3225, 0.3488)
contains.

Yxy(87.1827, 0.3224, 0.3484)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.1827, 0.3224, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	EFF2DF
RGB	239, 242, 223
RGB Percent	94%, 95%, 87%
CMY	0.0626, 0.0510, 0.1255
CMYK	0.01, 0.00, 0.08, 0.05
HSL	69°, 42%, 91%
HSV	69°, 8%, 95%
XYZ	80.6765, 87.1827, 82.3781
YIQ	238.9370, 4.3110, -6.5450

Conversions

Conversions Part 2

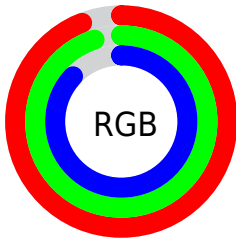
Format	Color
R _Y B	223, 242, 226
Decimal	15725279
CIE Lab	94.82, -4.24, 8.82
CIE LCh	95, 9.787, 115.683
Yxy	87.1827, 0.3224, 0.3484
Android (android.graphics.Color)	4293915359 (0xFFEFF2DF)
YUV	238.9370, -7.8569, 0.0553
Hunter-Lab	93.3717, -9.1699, 13.0509

Details

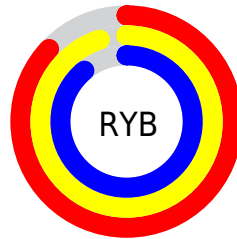
The Yxy color **87.1827, 0.3224, 0.3484** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.3389, 0.3026, 0.3091**, and the grayscale version is **86.3307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0122, 0.3243, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **85.3251, 0.3349, 0.3741**, and if you desaturate by 10%, it is **89.2481, 0.3101, 0.3239**.

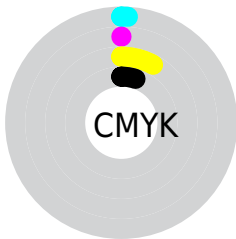
Distribution



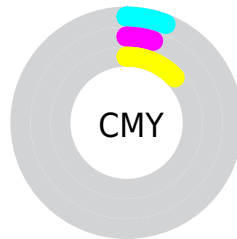
- Red (94%)
- Green (95%)
- Blue (87%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1827, 0.3224, 0.3484 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 87.1827, 0.3224, 0.3484 by changing the saturation by 10% instead.

87.1827, 0.3224,
0.3484

87.1827, 0.3224,
0.3484

518.8230, 0.3181,
0.3396

65.6464, 0.3233,
0.3504

143.4188, 0.3209,
0.3454

47.9854, 0.3245,
0.3527

178.8873, 0.3204,
0.3442

33.8153, 0.3259,
0.3557

219.7688, 0.3199,
0.3432

22.7518, 0.3277,
0.3596

266.4475, 0.3194,
0.3423

14.4103, 0.3301,
0.3648

319.3079, 0.3190,
0.3415

8.4066, 0.3334,
0.3720

378.7343, 0.3187,

4.3562, 0.3382,

0.3408

0.3829

445.1113, 0.3184,
0.3402

■ 1.8748, 0.3458,
0.4010

■ 0.5331, 0.4306,
0.5694

■ 87.1827, 0.3224,
0.3484

■ 87.1827, 0.3224,
0.3484

■ 85.3251, 0.3349,
0.3741

■ 89.2481, 0.3101,
0.3239

■ 83.6559, 0.3474,
0.4005

■ 90.4165, 0.3079,
0.3163

■ 82.1704, 0.3593,
0.4266

■ 91.1057, 0.3103,
0.3164

■ 80.8594, 0.3701,
0.4516

■ 91.8087, 0.3127,
0.3165

■ 79.7129, 0.3793,
0.4744

■ 91.9815, 0.3133,
0.3165

■ 78.7197, 0.3863,
0.4938

■ 77.8671, 0.3907,
0.5091

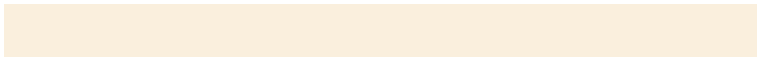
■ 77.1402, 0.3926,
0.5198

■ 76.5189, 0.3920,
0.5261

Harmonies

Analogous

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



87.1827, 0.3310, 0.3466



87.1827, 0.3224, 0.3484



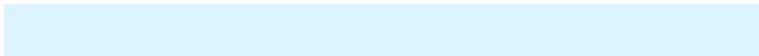
87.1827, 0.3114, 0.3448

Triad

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



87.1827, 0.3224, 0.3484



87.1827, 0.2913, 0.3174



87.1827, 0.3246, 0.3214

Complementary

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



87.1827, 0.3224, 0.3484



75.3389, 0.3026, 0.3091

Split Complementary

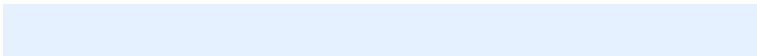
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1827, 0.3138, 0.3139



87.1827, 0.3224, 0.3484



87.1827, 0.2947, 0.3115

Square

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



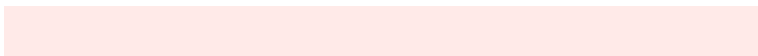
87.1827, 0.3224, 0.3484



87.1827, 0.2936, 0.3266



87.1827, 0.3029, 0.3103



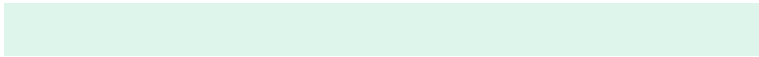
87.1827, 0.3323, 0.3309

Rectangle

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



87.1827, 0.3224, 0.3484



87.1827, 0.3041, 0.3398



87.1827, 0.3029, 0.3103



87.1827, 0.3212, 0.3186

Sweetspot

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



87.1865, 0.3224, 0.3484



99.5258, 0.3152, 0.3339



78.5088, 0.3260, 0.3320



21.3076, 0.3150, 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.



87.1865, 0.3224, 0.3484



97.9388, 0.3239, 0.3514



85.5922, 0.3161, 0.3488



18.3274, 0.3244, 0.3525



41.0898, 0.3922, 0.5268



3.4515, 0.3959, 0.5238

Inverse Universe

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



75.3389, 0.3026, 0.3091



82.7288, 0.3010, 0.3059



76.9001, 0.3090, 0.3095



15.3467, 0.3004, 0.3047



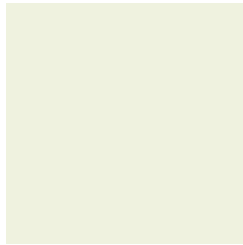
3.6985, 0.1565, 0.0636



0.3428, 0.1669, 0.0693

Previews

White Background



This preview shows how the Yxy color 87.1827, 0.3224, 0.3484 looks on a white background.

Color Contrast Check

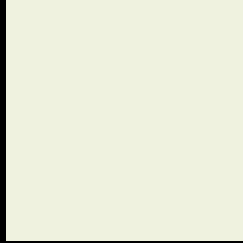
Large Text (above 18pt) WCAG AA × Fail

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 87.1827, 0.3224, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

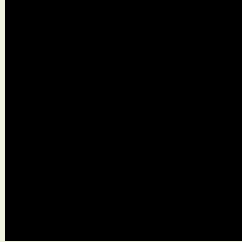
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

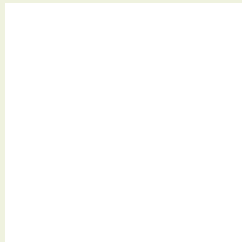
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1827, 0.3224, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 87.1827, 0.3224, 0.3484.

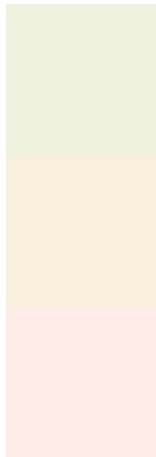


This preview shows how white text looks on a background with the Yxy color 87.1827, 0.3224, 0.3484.

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

87.1827, 0.3224, 0.3484

Protanopia

87.0932, 0.3307, 0.3471

Deuteranopia

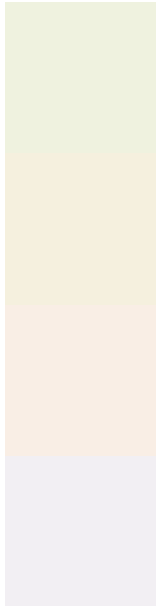
87.1341, 0.3275, 0.3320



Tritanopia

87.0215, 0.3064, 0.3113

Trichromacy



Original Color

87.1827, 0.3224, 0.3484

Protanomaly

87.0066, 0.3272, 0.3472

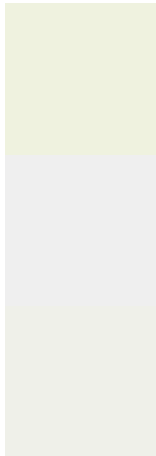
Deuteranomaly

86.9460, 0.3257, 0.3380

Tritanomaly

87.0813, 0.3122, 0.3250

Monochromacy



Original Color

87.1827, 0.3224, 0.3484

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5541, 0.3163, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1827, 0.3224, 0.3484 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(239, 242, 223)` looks like.

```
.text, #text, p{  
    color:rgb(239, 242, 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(239, 242, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 242, 223) }
```

Border

The CSS property to change the border of an element to Yxy 87.1827, 0.3224, 0.3484 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(239, 242, 223) }
```

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

```
.border{ border-color:rgb(239, 242, 223) }
```

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

Here you see how a box with a 4 pixel rgb(239, 242, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(239, 242,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1827, 0.3224, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 242, 223) }
```

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

```
.background{ background-color: rgb(239,  
242, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor