

Converting Colors

Yxy(85.0382, 0.3195, 0.3434)

Have a look what the booklet for
Yxy(85.0382, 0.3195, 0.3434)
contains.

Yxy(85.0021, 0.3194, 0.3434)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.0021, 0.3194, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	ECEFE1
RGB	236, 239, 225
RGB Percent	93%, 94%, 88%
CMY	0.0743, 0.0628, 0.1177
CMYK	0.01, 0.00, 0.06, 0.06
HSL	73°, 30%, 91%
HSV	73°, 6%, 94%
XYZ	79.0614, 85.0021, 83.4674
YIQ	236.5070, 2.7060, -4.9900

Conversions

Conversions Part 2

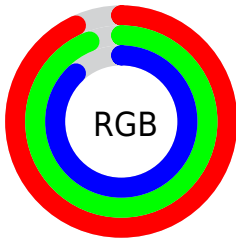
Format	Color
RYB	225, 239, 228
Decimal	15527905
CIELab	93.88, -3.41, 6.41
CIElCh	94, 7.262, 117.971
Yxy	85.0021, 0.3194, 0.3434
Android (android.graphics.Color)	4293717985 (0xFFECEFE1)
YUV	236.5070, -5.6730, -0.4446
Hunter-Lab	92.1966, -8.2749, 10.8612

Details

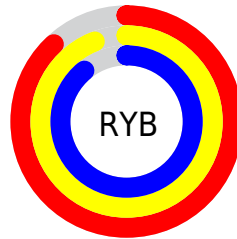
The Yxy color **85.0021, 0.3194, 0.3434** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.5599, 0.3058, 0.3144**, and the grayscale version is **84.3398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4726, 0.3205, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **82.9451, 0.3310, 0.3691**, and if you desaturate by 10%, it is **87.2731, 0.3081, 0.3191**.

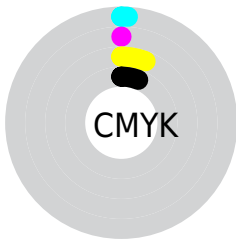
Distribution



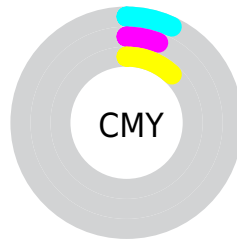
- Red (93%)
- Green (94%)
- Blue (88%)



- Red (88%)
- Yellow (94%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0021, 0.3194, 0.3434 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 85.0021, 0.3194, 0.3434 by changing the saturation by 10% instead.

85.0021, 0.3194,
0.3434

85.0021, 0.3194,
0.3434

511.6350, 0.3164,
0.3369

63.8431, 0.3201,
0.3449

140.3761, 0.3184,
0.3412

46.5236, 0.3209,
0.3466

175.3599, 0.3180,
0.3403

32.6592, 0.3219,
0.3489

215.7208, 0.3176,
0.3395

21.8655, 0.3231,
0.3518

261.8431, 0.3173,
0.3389

13.7581, 0.3248,
0.3557

314.1113, 0.3171,
0.3383

7.9526, 0.3272,
0.3611

372.9098, 0.3168,

4.0646, 0.3307,

0.3378

0.3694

438.6229, 0.3166,
0.3373

■ 1.7098, 0.3363,
0.3835

■ 0.4300, 0.4199,
0.5546

■ 85.0021, 0.3194,
0.3434

■ 85.0021, 0.3194,
0.3434

■ 82.9451, 0.3310,
0.3691

■ 87.2731, 0.3081,
0.3191

■ 81.0834, 0.3425,
0.3957

■ 88.5549, 0.3076,
0.3133

■ 79.4123, 0.3536,
0.4225

■ 89.4740, 0.3109,
0.3135

■ 77.9230, 0.3637,
0.4486

■ 90.2077, 0.3134,
0.3136

■ 76.6057, 0.3722,
0.4728

■ 75.4498, 0.3787,
0.4941

■ 74.4432, 0.3827,
0.5115

■ 73.5719, 0.3841,
0.5243

■ 72.8184, 0.3830,
0.5324

Harmonies

Analogous

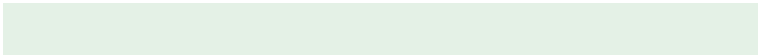
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0021, 0.3260, 0.3424



85.0021, 0.3194, 0.3434



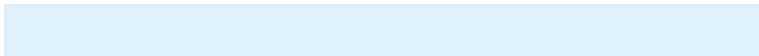
85.0021, 0.3111, 0.3404

Triad

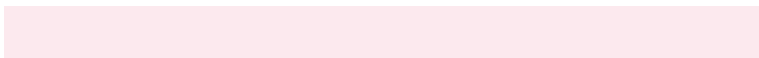
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0021, 0.3194, 0.3434



85.0021, 0.2967, 0.3199



85.0021, 0.3222, 0.3238

Complementary

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



85.0021, 0.3194, 0.3434



76.5599, 0.3058, 0.3144

Split Complementary

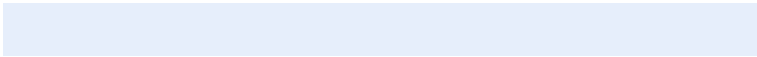
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0021, 0.3142, 0.3180



85.0021, 0.3194, 0.3434



85.0021, 0.2996, 0.3157

Square

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



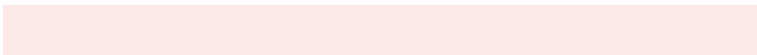
85.0021, 0.3194, 0.3434



85.0021, 0.2981, 0.3267



85.0021, 0.3059, 0.3150



85.0021, 0.3276, 0.3310

Rectangle

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



85.0021, 0.3194, 0.3434



85.0021, 0.3057, 0.3366



85.0021, 0.3059, 0.3150



85.0021, 0.3197, 0.3216

Sweetspot

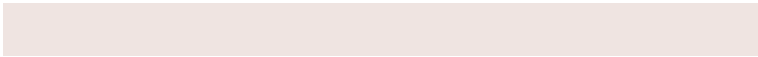
The Sweet Spot groups the original color and five complimentary colors.



85.0058, 0.3194, 0.3434



99.4736, 0.3150, 0.3339



79.1574, 0.3223, 0.3319



21.2970, 0.3149, 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.



85.0058, 0.3194, 0.3434



98.2001, 0.3207, 0.3463



83.8531, 0.3148, 0.3436



18.3687, 0.3214, 0.3477



40.1433, 0.3827, 0.5343



3.3810, 0.3878, 0.5303

Inverse Universe

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



76.5599, 0.3058, 0.3144



86.5573, 0.3043, 0.3113



77.7043, 0.3105, 0.3146



16.0236, 0.3036, 0.3099



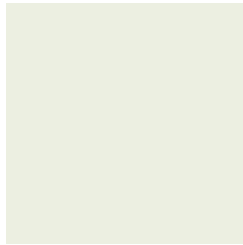
3.8657, 0.1607, 0.0659



0.3630, 0.1727, 0.0725

Previews

White Background



This preview shows how the Yxy color 85.0021, 0.3194, 0.3434 looks on a white background.

Color Contrast Check

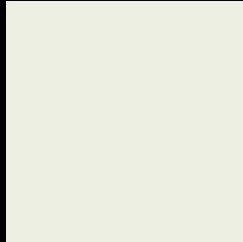
Large Text (above 18pt) WCAG AA × Fail

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 85.0021, 0.3194, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

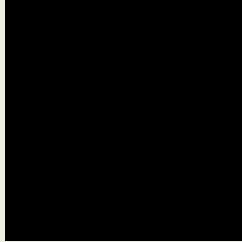
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

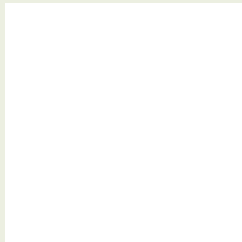
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0021, 0.3194, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 85.0021, 0.3194, 0.3434.

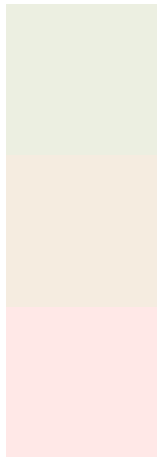


This preview shows how white text looks on a background with the Yxy color 85.0021, 0.3194, 0.3434.

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

85.0021, 0.3194, 0.3434

Protanopia

84.7852, 0.3264, 0.3412

Deuteranopia

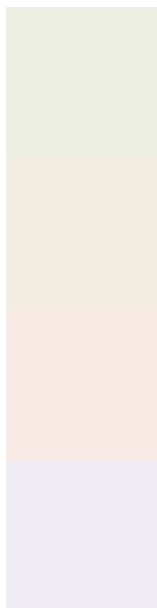
84.7427, 0.3292, 0.3300



Tritanopia

85.0338, 0.3050, 0.3111

Trichromacy



Original Color

85.0021, 0.3194, 0.3434

Protanomaly

84.8274, 0.3242, 0.3423

Deuteranomaly

85.0303, 0.3253, 0.3351

Tritanomaly

84.8127, 0.3104, 0.3219

Monochromacy



Original Color

85.0021, 0.3194, 0.3434

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.0368, 0.3151, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0021, 0.3194, 0.3434 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(236, 239, 225)` looks like.

```
.text, #text, p{  
    color:rgb(236, 239, 225)  
}
```

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(236, 239, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 239, 225) }
```

Border

The CSS property to change the border of an element to Yxy 85.0021, 0.3194, 0.3434 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(236, 239, 225) }
```

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

```
.border{ border-color:rgb(236, 239, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 239, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 239, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 239, 225);  
box-shadow:4px 4px 4px 4px rgb(236, 239,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0021, 0.3194, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 239, 225) }
```

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

```
.background{ background-color: rgb(236,  
239, 225) }
```

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