

Converting Colors

Yxy(86.0380, 0.3214, 0.3541)

Have a look what the booklet for
Yxy(86.0380, 0.3214, 0.3541)
contains.

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Color

Yxy(85.8899, 0.3214, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	E9F2DA
RGB	233, 242, 218
RGB Percent	91%, 95%, 85%
CMY	0.0864, 0.0509, 0.1451
CMYK	0.04, 0.00, 0.10, 0.05
HSL	83°, 48%, 90%
HSV	83°, 10%, 95%
XYZ	78.0023, 85.8899, 78.8032
YIQ	236.5730, 2.3400, -9.3720

Conversions

Conversions Part 2

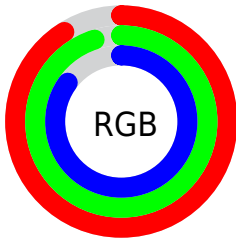
Format	Color
R _Y B	218, 242, 227
Decimal	15332058
CIE Lab	94.27, -7.16, 10.55
CIE LCh	94, 12.746, 124.168
Yxy	85.8899, 0.3214, 0.3539
Android (android.graphics.Color)	4293522138 (0xFFE9F2DA)
YUV	236.5730, -9.1565, -3.1335
Hunter-Lab	92.6768, -11.9482, 14.4594

Details

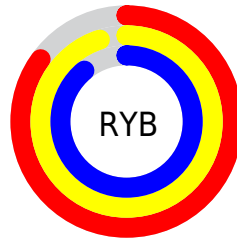
The Yxy color **85.8899, 0.3214, 0.3539** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.9022, 0.3034, 0.3038**, and the grayscale version is **84.4115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1093, 0.3231, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **83.2207, 0.3302, 0.3808**, and if you desaturate by 10%, it is **88.8311, 0.3126, 0.3288**.

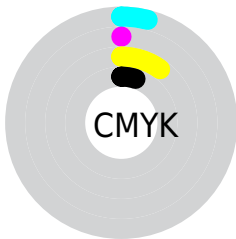
Distribution



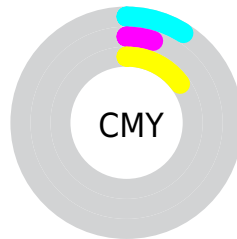
- Red (91%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (89%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8899, 0.3214, 0.3539 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 85.8899, 0.3214, 0.3539 by changing the saturation by 10% instead.

85.8899, 0.3214,
0.3539

85.8899, 0.3214,
0.3539

514.5681, 0.3176,
0.3426

64.5769, 0.3222,
0.3564

141.6158, 0.3201,
0.3500

47.1181, 0.3232,
0.3596

176.7976, 0.3196,
0.3485

33.1290, 0.3245,
0.3635

217.3711, 0.3191,
0.3472

22.2253, 0.3261,
0.3686

263.7207, 0.3188,
0.3460

14.0226, 0.3281,
0.3754

316.2308, 0.3184,
0.3450

8.1364, 0.3309,
0.3850

375.2858, 0.3181,

4.1823, 0.3348,

0.3441

0.3997

441.2701, 0.3178,
0.3433

■ 1.7761, 0.3407,
0.4245

■ 0.4722, 0.3672,
0.6328

■ 85.8899, 0.3214,
0.3539

■ 85.8899, 0.3214,
0.3539

■ 83.2207, 0.3302,
0.3808

■ 88.8311, 0.3126,
0.3288

■ 80.8032, 0.3386,
0.4089

■ 91.2845, 0.3109,
0.3165

■ 78.6312, 0.3463,
0.4375

■ 91.9942, 0.3133,
0.3166

■ 76.6942, 0.3528,
0.4657

■ 74.9809, 0.3576,
0.4921

■ 73.4785, 0.3602,
0.5154

■ 72.1727, 0.3604,
0.5343

■ 71.0467, 0.3581,
0.5482

■ 70.0734, 0.3537,
0.5573

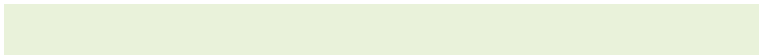
Harmonies

Analogous

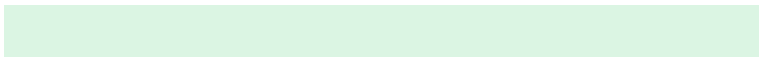
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8899, 0.3339, 0.3534



85.8899, 0.3214, 0.3539



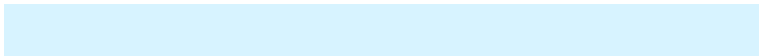
85.8899, 0.3068, 0.3473

Triad

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



85.8899, 0.3214, 0.3539



85.8899, 0.2853, 0.3110



85.8899, 0.3317, 0.3224

Complementary

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



85.8899, 0.3214, 0.3539



72.9022, 0.3034, 0.3038

Split Complementary

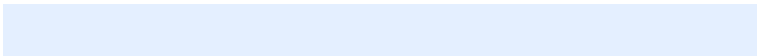
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8899, 0.3183, 0.3117



85.8899, 0.3214, 0.3539



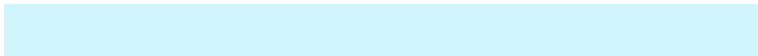
85.8899, 0.2916, 0.3050

Square

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



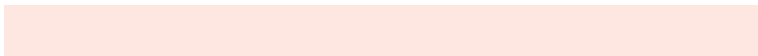
85.8899, 0.3214, 0.3539



85.8899, 0.2862, 0.3220



85.8899, 0.3036, 0.3054



85.8899, 0.3400, 0.3349

Rectangle

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



85.8899, 0.3214, 0.3539



85.8899, 0.2978, 0.3398



85.8899, 0.3036, 0.3054



85.8899, 0.3276, 0.3185

Sweetspot

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



85.8936, 0.3214, 0.3539



98.9737, 0.3153, 0.3364



78.7787, 0.3292, 0.3381



21.1267, 0.3160, 0.3383



0.0000, 0.0000, 0.0000



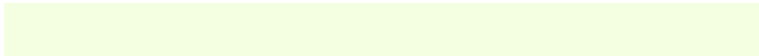
21.4041, 0.3127, 0.3290

Same Dimension

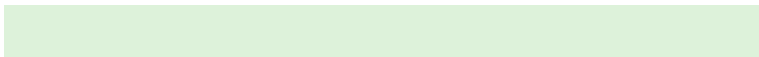
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8936, 0.3214, 0.3539



96.0594, 0.3233, 0.3594



83.9821, 0.3136, 0.3545



18.1439, 0.3210, 0.3527



37.7148, 0.3547, 0.5565



3.1942, 0.3632, 0.5498

Inverse Universe

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



72.9022, 0.3034, 0.3038



78.5699, 0.3012, 0.2981



74.8790, 0.3116, 0.3044



15.5193, 0.3039, 0.3050



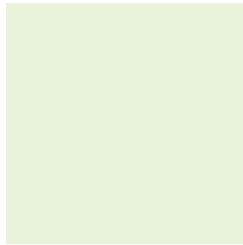
4.7189, 0.1809, 0.0770



0.4477, 0.1955, 0.0851

Previews

White Background



This preview shows how the Yxy color 85.8899, 0.3214, 0.3539 looks on a white background.

Color Contrast Check

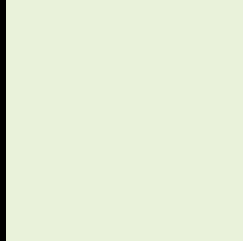
Large Text (above 18pt) WCAG AA × Fail

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 85.8899, 0.3214, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

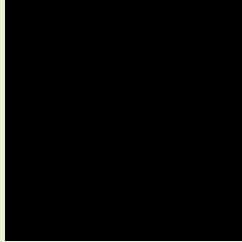
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

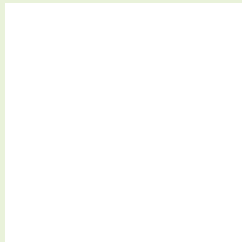
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8899, 0.3214, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 85.8899, 0.3214, 0.3539.

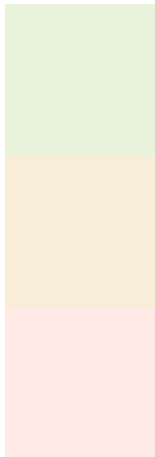


This preview shows how white text looks on a background with the Yxy color 85.8899, 0.3214, 0.3539.

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

85.8899, 0.3214, 0.3539

Protanopia

86.0634, 0.3334, 0.3513

Deuteranopia

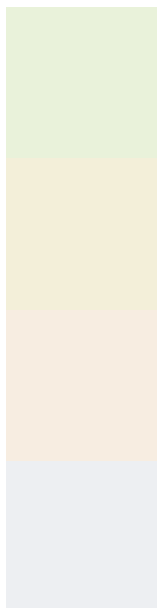
85.7628, 0.3303, 0.3340



Tritanopia

86.1391, 0.3031, 0.3111

Trichromacy



Original Color

85.8899, 0.3214, 0.3539

Protanomaly

85.7974, 0.3292, 0.3515

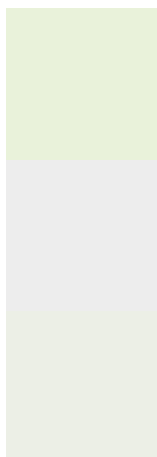
Deuteranomaly

85.7788, 0.3270, 0.3411

Tritanomaly

86.1483, 0.3096, 0.3260

Monochromacy



Original Color

85.8899, 0.3214, 0.3539

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.2790, 0.3163, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8899, 0.3214, 0.3539 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(233, 242, 218)` looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 218)  
}
```

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(233, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 218) }
```

Border

The CSS property to change the border of an element to Yxy 85.8899, 0.3214, 0.3539 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(233, 242, 218) }
```

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

```
.border{ border-color:rgb(233, 242, 218) }
```

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

Here you see how a box with a 4 pixel rgb(233, 242, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8899, 0.3214, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 218) }
```

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

```
.background{ background-color: rgb(233,  
242, 218) }
```

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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