

Converting Colors

$Yxy(84.8471, 0.3237, 0.3475)$

Have a look what the booklet for
Yxy(84.8471, 0.3237, 0.3475)
contains.

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Color

Yxy(85.1306, 0.3232, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEFD
RGB	238, 239, 221
RGB Percent	93%, 94%, 87%
CMY	0.0667, 0.0627, 0.1333
CMYK	0.00, 0.00, 0.08, 0.06
HSL	63°, 36%, 90%
HSV	63°, 8%, 94%
XYZ	79.1776, 85.1306, 80.6720
YIQ	236.6490, 5.1820, -5.8100

Conversions

Conversions Part 2

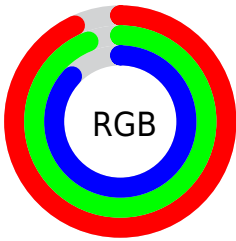
Format	Color
R _Y B	221, 239, 222
Decimal	15658973
CIE Lab	93.94, -3.41, 8.58
CIE LCh	94, 9.231, 111.710
Yxy	85.1306, 0.3232, 0.3475
Android (android.graphics.Color)	4293849053 (0xFFEEEFDD)
YUV	236.6490, -7.7150, 1.1848
Hunter-Lab	92.2662, -8.2875, 12.7468

Details

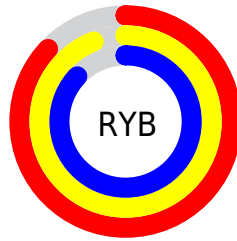
The Yxy color **85.1306, 0.3232, 0.3475** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.4839, 0.3018, 0.3099**, and the grayscale version is **84.4640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5652, 0.3254, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **83.7185, 0.3374, 0.3728**, and if you desaturate by 10%, it is **86.7332, 0.3093, 0.3231**.

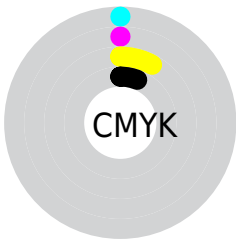
Distribution



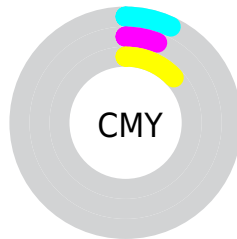
- Red (93%)
- Green (94%)
- Blue (87%)



- Red (87%)
- Yellow (94%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1306, 0.3232, 0.3475 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 85.1306, 0.3232, 0.3475 by changing the saturation by 10% instead.

85.1306, 0.3232,
0.3475

85.1306, 0.3232,
0.3475

512.0601, 0.3185,
0.3391

63.9493, 0.3242,
0.3494

140.5556, 0.3216,
0.3446

46.6096, 0.3255,
0.3517

175.5681, 0.3210,
0.3435

32.7271, 0.3271,
0.3546

215.9599, 0.3204,
0.3425

21.9175, 0.3291,
0.3583

262.1152, 0.3199,
0.3417

13.7963, 0.3318,
0.3633

314.4184, 0.3195,
0.3409

7.9791, 0.3354,
0.3703

373.2541, 0.3191,

4.0816, 0.3409,

0.3403

0.3809

439.0065, 0.3188,
0.3397

■ 1.7193, 0.3496,
0.3987

■ 0.4361, 0.4316,
0.5684

■ 85.1306, 0.3232,
0.3475

■ 85.1306, 0.3232,
0.3475

■ 83.7185, 0.3374,
0.3728

■ 86.7332, 0.3093,
0.3231

■ 82.4781, 0.3517,
0.3984

■ 87.6005, 0.3042,
0.3132


■ 81.4051, 0.3654,
0.4235

■ 87.8368, 0.3050,
0.3132

■ 80.4905, 0.3781,
0.4470


■ 88.0748, 0.3059,
0.3133

 79.7247, 0.3891,
0.4680


 88.3145, 0.3068,
0.3133

 79.0971, 0.3980,
0.4855


 88.5560, 0.3076,
0.3133

 78.5955, 0.4044,
0.4988

 88.7992, 0.3085,
0.3134

 78.2055, 0.4080,
0.5076

 89.0442, 0.3094,
0.3134

 77.9084, 0.4093,
0.5123

 89.2909, 0.3102,
0.3135

Harmonies

Analogous

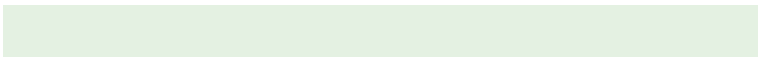
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1306, 0.3308, 0.3451



85.1306, 0.3232, 0.3475



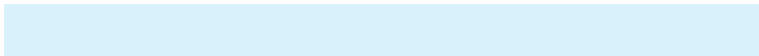
85.1306, 0.3129, 0.3447

Triad

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



85.1306, 0.3232, 0.3475



85.1306, 0.2923, 0.3190



85.1306, 0.3228, 0.3207

Complementary

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



85.1306, 0.3232, 0.3475



73.4839, 0.3018, 0.3099

Split Complementary

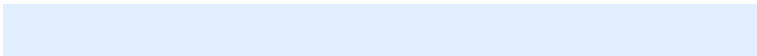
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1306, 0.3123, 0.3140



85.1306, 0.3232, 0.3475



85.1306, 0.2949, 0.3128

Square

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



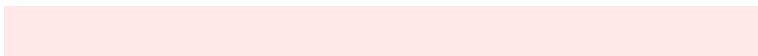
85.1306, 0.3232, 0.3475



85.1306, 0.2952, 0.3280



85.1306, 0.3021, 0.3111



85.1306, 0.3306, 0.3296

Rectangle

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



85.1306, 0.3232, 0.3475



85.1306, 0.3059, 0.3403



85.1306, 0.3021, 0.3111



85.1306, 0.3194, 0.3181

Sweetspot

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



85.1343, 0.3232, 0.3475



99.6217, 0.3155, 0.3339



75.7681, 0.3255, 0.3300



21.3271, 0.3153, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

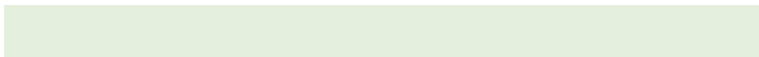
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1343, 0.3232, 0.3475



98.3658, 0.3253, 0.3513



83.6336, 0.3172, 0.3478



18.4113, 0.3260, 0.3524



43.0344, 0.4096, 0.5130



3.5937, 0.4109, 0.5119

Inverse Universe

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



73.4839, 0.3018, 0.3099



82.3417, 0.2995, 0.3058



74.9249, 0.3079, 0.3102



15.2710, 0.2988, 0.3046



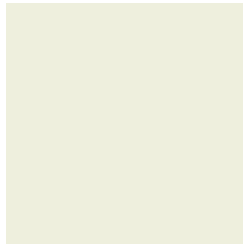
3.5104, 0.1517, 0.0610



0.3068, 0.1562, 0.0634

Previews

White Background



This preview shows how the Yxy color 85.1306, 0.3232, 0.3475 looks on a white background.

Color Contrast Check

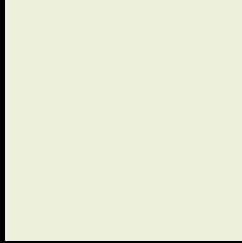
Large Text (above 18pt) WCAG AA × Fail

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 85.1306, 0.3232, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

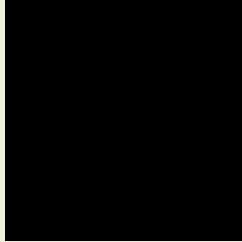
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

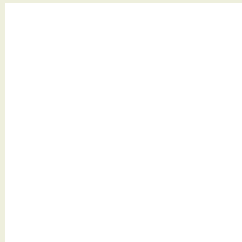
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1306, 0.3232, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 85.1306, 0.3232, 0.3475.

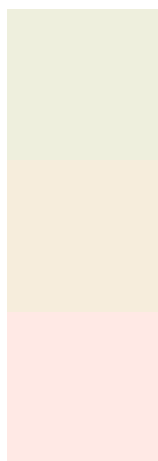


This preview shows how white text looks on a background with the Yxy color 85.1306, 0.3232, 0.3475.

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

85.1306, 0.3232, 0.3475

Protanopia

85.3285, 0.3295, 0.3462

Deuteranopia

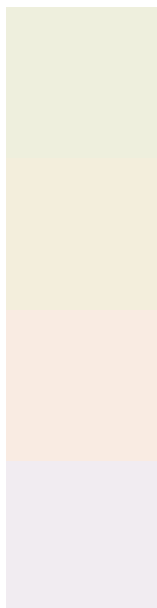
85.1950, 0.3304, 0.3330



Tritanopia

84.9922, 0.3070, 0.3102

Trichromacy



Original Color

85.1306, 0.3232, 0.3475

Protanomaly

85.3711, 0.3274, 0.3474

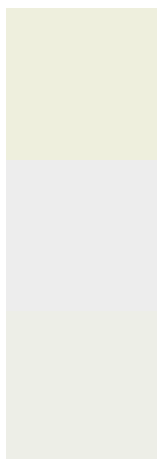
Deuteranomaly

85.0474, 0.3280, 0.3381

Tritanomaly

85.0426, 0.3130, 0.3240

Monochromacy



Original Color

85.1306, 0.3232, 0.3475

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.9231, 0.3164, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1306, 0.3232, 0.3475 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(238, 239, 221)` looks like.

```
.text, #text, p{  
    color:rgb(238, 239, 221)  
}
```

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(238, 239, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 239, 221) }
```

Border

The CSS property to change the border of an element to Yxy 85.1306, 0.3232, 0.3475 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(238, 239, 221) }
```

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

```
.border{ border-color:rgb(238, 239, 221) }
```

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

Here you see how a box with a 4 pixel rgb(238, 239, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 239, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 239, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 239,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1306, 0.3232, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 239, 221) }
```

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

```
.background{ background-color: rgb(238,  
239, 221) }
```

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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