

Converting Colors

$Yxy(85.6128, 0.3251, 0.3495)$

Have a look what the booklet for
Yxy(85.6128, 0.3251, 0.3495)
contains.

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Color

Yxy(85.8382, 0.3244, 0.3495)

Conversions

Conversions Part 1

Format	Color
Hex	EFF0DC
RGB	239, 240, 220
RGB Percent	94%, 94%, 86%
CMY	0.0628, 0.0588, 0.1372
CMYK	0.00, 0.00, 0.08, 0.06
HSL	63°, 40%, 90%
HSV	63°, 8%, 94%
XYZ	79.6736, 85.8382, 80.0911
YIQ	237.4210, 5.8240, -6.4320

Conversions

Conversions Part 2

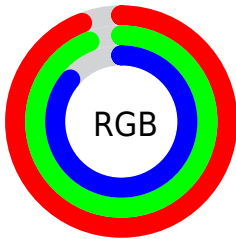
Format	Color
R_{YB}	220, 240, 221
Decimal	15724764
CIE _{Lab}	94.24, -3.74, 9.54
CIE _{LCh}	94, 10.244, 111.435
Yxy	85.8382, 0.3244, 0.3495
Android (android.graphics.Color)	4293914844 (0xFFEFF0DC)
YUV	237.4210, -8.5886, 1.3848
Hunter-Lab	92.6489, -8.6342, 13.6005

Details

The Yxy color **85.8382, 0.3244, 0.3495** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.8662, 0.3005, 0.3077**, and the grayscale version is **85.0955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0649, 0.3270, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **84.4476, 0.3387, 0.3749**, and if you desaturate by 10%, it is **87.4203, 0.3104, 0.3250**.

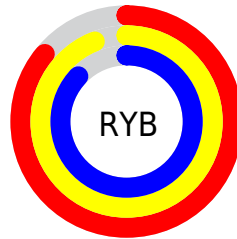
Distribution



Red (94%)

Green (94%)

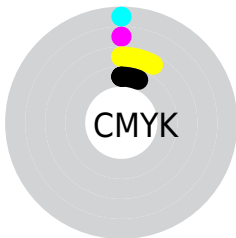
Blue (86%)



Red (86%)

Yellow (94%)

Blue (87%)

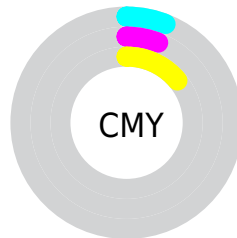


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (6%)



Cyan (6%)


Magenta (6%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8382, 0.3244, 0.3495 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 85.8382, 0.3244, 0.3495 by changing the saturation by 10% instead.


 85.8382, 0.3244,
0.3495

 85.8382, 0.3244,
0.3495


514.3975, 0.3192,
0.3402

 64.5342, 0.3255,
0.3516


141.5437, 0.3226,
0.3463

 47.0835, 0.3269,
0.3541


176.7139, 0.3219,
0.3451

 33.1016, 0.3287,
0.3573


217.2751, 0.3213,
0.3440

 22.2043, 0.3309,
0.3614

263.6114, 0.3208,
0.3430

 14.0071, 0.3339,
0.3669

316.1075, 0.3203,
0.3422

 8.1256, 0.3379,
0.3746

375.1476, 0.3199,

 4.1754, 0.3439,

0.3415

0.3862

441.1162, 0.3195,
0.3408

■ 1.7722, 0.3533,
0.4057

■ 0.4697, 0.4305,
0.5695

■ 85.8382, 0.3244,
0.3495

■ 85.8382, 0.3244,
0.3495

■ 84.4476, 0.3387,
0.3749

■ 87.4203, 0.3104,
0.3250

■ 83.2296, 0.3531,
0.4004


■ 88.3227, 0.3046,
0.3142

■ 82.1795, 0.3668,
0.4254


■ 88.5394, 0.3054,
0.3142

■ 81.2885, 0.3795,
0.4486


■ 88.7575, 0.3062,
0.3143

 80.5466, 0.3905,
0.4693


 88.9771, 0.3070,
0.3143

 79.9430, 0.3992,
0.4863


 89.1982, 0.3078,
0.3143

 79.4653, 0.4055,
0.4991

 89.4207, 0.3086,
0.3144

 79.0989, 0.4090,
0.5075

 89.6447, 0.3094,
0.3144

 78.8228, 0.4102,
0.5119

 89.8701, 0.3102,
0.3145

Harmonies

Analogous

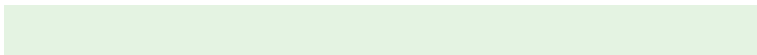
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8382, 0.3328, 0.3468



85.8382, 0.3244, 0.3495



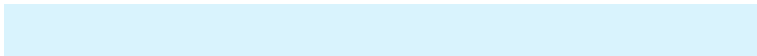
85.8382, 0.3130, 0.3465

Triad

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



85.8382, 0.3244, 0.3495



85.8382, 0.2902, 0.3180



85.8382, 0.3237, 0.3197

Complementary

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



85.8382, 0.3244, 0.3495



72.8662, 0.3005, 0.3077

Split Complementary

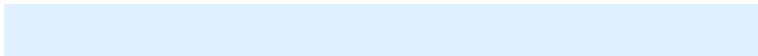
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8382, 0.3121, 0.3123



85.8382, 0.3244, 0.3495



85.8382, 0.2929, 0.3112

Square

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



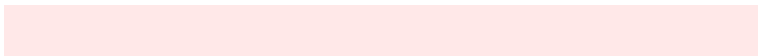
85.8382, 0.3244, 0.3495



85.8382, 0.2934, 0.3280



85.8382, 0.3009, 0.3092



85.8382, 0.3324, 0.3295

Rectangle

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



85.8382, 0.3244, 0.3495



85.8382, 0.3052, 0.3416



85.8382, 0.3009, 0.3092



85.8382, 0.3200, 0.3169

Sweetspot

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



85.8419, 0.3244, 0.3495



99.6265, 0.3155, 0.3339



75.4175, 0.3270, 0.3301



21.3281, 0.3154, 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.



85.8419, 0.3244, 0.3495



98.2193, 0.3268, 0.3538



84.1535, 0.3177, 0.3499



18.4156, 0.3260, 0.3524



43.1407, 0.4105, 0.5123



3.6014, 0.4117, 0.5113

Inverse Universe

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



72.8662, 0.3005, 0.3077



80.4915, 0.2978, 0.3031



74.4791, 0.3074, 0.3082



15.2672, 0.2987, 0.3046



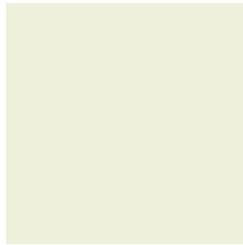
3.5044, 0.1516, 0.0609



0.3050, 0.1557, 0.0631

Previews

White Background



This preview shows how the Yxy color 85.8382, 0.3244, 0.3495 looks on a white background.

Color Contrast Check

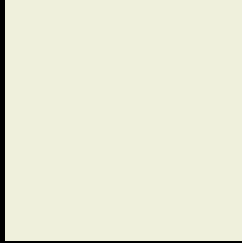
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Xy color 85.8382, 0.3244, 0.3495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

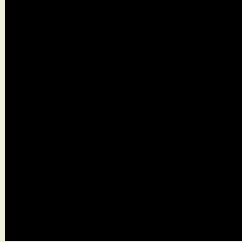
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

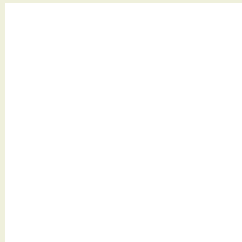
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8382, 0.3244, 0.3495

Background



This preview shows how black text looks on a background with the Yxy color 85.8382, 0.3244, 0.3495.

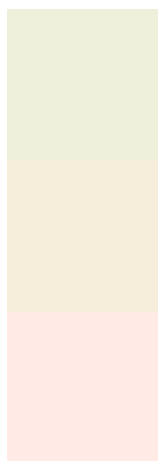


This preview shows how white text looks on a background with the Yxy color 85.8382, 0.3244, 0.3495.

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

85.8382, 0.3244, 0.3495

Protanopia

85.4570, 0.3309, 0.3472

Deuteranopia

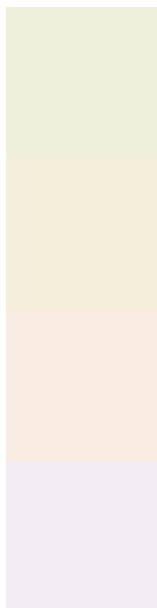
85.7628, 0.3303, 0.3340



Tritanopia

85.8055, 0.3070, 0.3103

Trichromacy



Original Color

85.8382, 0.3244, 0.3495

Protanomaly

85.4966, 0.3287, 0.3483

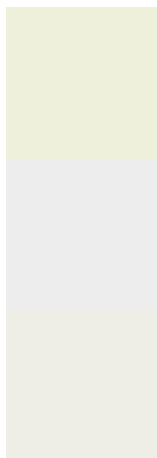
Deuteranomaly

85.6216, 0.3278, 0.3391

Tritanomaly

85.8564, 0.3130, 0.3240

Monochromacy



Original Color

85.8382, 0.3244, 0.3495

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.0957, 0.3170, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8382, 0.3244, 0.3495 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, 240, 220)` looks like.

```
.text, #text, p{  
    color:rgb(239, 240, 220)  
}
```

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, 240, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 240, 220) }
```

Border

The CSS property to change the border of an element to Yxy 85.8382, 0.3244, 0.3495 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, 240, 220) }
```

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

```
.border{ border-color:rgb(239, 240, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 240, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 240, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 240, 220);  
box-shadow:4px 4px 4px 4px rgb(239, 240,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8382, 0.3244, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 240, 220) }
```

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

```
.background{ background-color: rgb(239,  
240, 220) }
```

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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