

Converting Colors

$Yxy(84.2649, 0.3347, 0.3708)$

Have a look what the booklet for
Yxy(84.2649, 0.3347, 0.3708)
contains.

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Color

Yxy(84.3232, 0.3350, 0.3708)

Conversions

Conversions Part 1

Format	Color
Hex	ECF0C8
RGB	236, 240, 200
RGB Percent	93%, 94%, 78%
CMY	0.0744, 0.0588, 0.2157
CMYK	0.02, 0.00, 0.17, 0.06
HSL	66°, 57%, 86%
HSV	66°, 17%, 94%
XYZ	76.1820, 84.3232, 66.9037
YIQ	234.2440, 10.4560, -13.2880

Conversions

Conversions Part 2

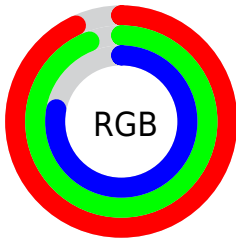
Format	Color
R _Y B	200, 240, 204
Decimal	15528136
CIE Lab	93.59, -7.92, 18.92
CIE LCh	94, 20.510, 112.719
Yxy	84.3232, 0.3350, 0.3708
Android (android.graphics.Color)	4293718216 (0xFFE0C8)
YUV	234.2440, -16.8823, 1.5400
Hunter-Lab	91.8277, -12.6114, 21.0819

Details

The Yxy color **84.3232, 0.3350, 0.3708** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.4351, 0.2883, 0.2843**, and the grayscale version is **82.6024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0596, 0.3397, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **82.8851, 0.3485, 0.3967**, and if you desaturate by 10%, it is **85.9503, 0.3215, 0.3454**.

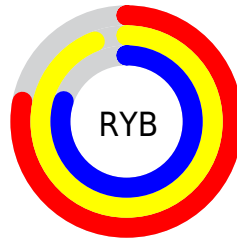
Distribution



Red (93%)

Green (94%)

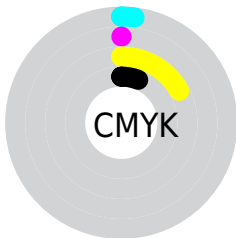
Blue (78%)



Red (78%)

Yellow (94%)

Blue (80%)

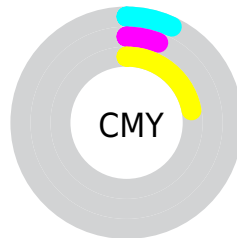


Cyan (2%)

Magenta (0%)

Yellow (17%)

Black (6%)



Cyan (7%)

Magenta (6%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3232, 0.3350, 0.3708 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 84.3232, 0.3350, 0.3708 by changing the saturation by 10% instead.

84.3232, 0.3350,
0.3708

84.3232, 0.3350,
0.3708

509.3859, 0.3251,
0.3517

63.2823, 0.3371,
0.3751

139.4272, 0.3317,
0.3642

46.0696, 0.3397,
0.3804

174.2591, 0.3303,
0.3616

32.3008, 0.3430,
0.3870

214.4568, 0.3292,
0.3594

21.5913, 0.3470,
0.3956

260.4046, 0.3282,
0.3575

13.5569, 0.3522,
0.4071

312.4871, 0.3273,
0.3558

7.8132, 0.3592,
0.4232

371.0885, 0.3265,

3.9756, 0.3687,

0.3543

0.4473

436.5933, 0.3258,
0.3529

■ 1.6599, 0.3972,
0.5065

■ 0.3975, 0.3169,
0.6831

■ 84.3232, 0.3350,
0.3708

■ 84.3232, 0.3350,
0.3708

■ 82.8851, 0.3485,
0.3967

■ 85.9503, 0.3215,
0.3454

■ 81.6168, 0.3615,
0.4223

■ 87.7630, 0.3084,
0.3210

■ 80.5129, 0.3735,
0.4467

■ 88.6283, 0.3058,
0.3142

■ 79.5639, 0.3839,
0.4687

■ 89.0566, 0.3073,
0.3143

■ 78.7591, 0.3922,
0.4874

■ 89.4903, 0.3088,
0.3144

■ 78.0862, 0.3980,
0.5020

■ 89.9297, 0.3104,
0.3145

■ 77.5311, 0.4011,
0.5121

■ 90.3746, 0.3119,
0.3145

■ 77.0758, 0.4018,
0.5179

■ 90.8006, 0.3134,
0.3146

■ 76.9366, 0.4017,
0.5193

Harmonies

Analogous

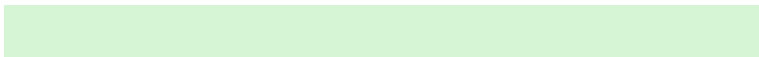
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3232, 0.3527, 0.3650



84.3232, 0.3350, 0.3708



84.3232, 0.3118, 0.3645

Triad

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



84.3232, 0.3350, 0.3708



84.3232, 0.2680, 0.3055



84.3232, 0.3357, 0.3112

Complementary

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



84.3232, 0.3350, 0.3708



60.4351, 0.2883, 0.2843

Split Complementary

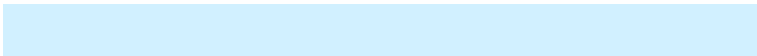
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3232, 0.3122, 0.2967



84.3232, 0.3350, 0.3708



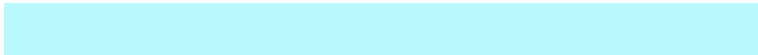
84.3232, 0.2738, 0.2929

Square

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



84.3232, 0.3350, 0.3708



84.3232, 0.2737, 0.3255



84.3232, 0.2897, 0.2900



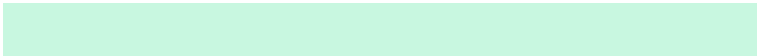
84.3232, 0.3533, 0.3304

Rectangle

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



84.3232, 0.3350, 0.3708



84.3232, 0.2964, 0.3541



84.3232, 0.2897, 0.2900



84.3232, 0.3282, 0.3057

Sweetspot

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



84.3269, 0.3350, 0.3708



98.9659, 0.3193, 0.3413



65.5654, 0.3440, 0.3327



21.1526, 0.3203, 0.3430



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.



84.3269, 0.3350, 0.3708



96.1895, 0.3396, 0.3796



81.1915, 0.3217, 0.3726



18.3744, 0.3253, 0.3524



42.1493, 0.4020, 0.5190



3.5294, 0.4044, 0.5171

Inverse Universe

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



60.4351, 0.2883, 0.2843



63.9722, 0.2826, 0.2741



63.3414, 0.3023, 0.2861



15.3040, 0.2995, 0.3047



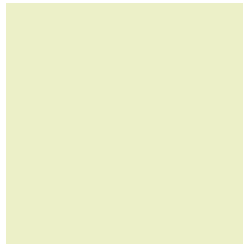
3.5752, 0.1534, 0.0619



0.3225, 0.1610, 0.0660

Previews

White Background



This preview shows how the Yxy color 84.3232, 0.3350, 0.3708 looks on a white background.

Color Contrast Check

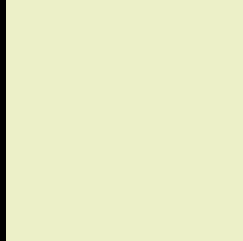
Large Text (above 18pt) WCAG AA × Fail

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 84.3232, 0.3350, 0.3708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

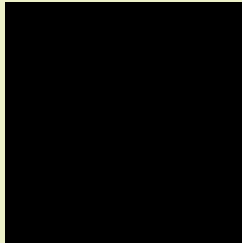
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

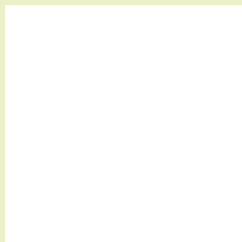
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3232, 0.3350, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 84.3232, 0.3350, 0.3708.

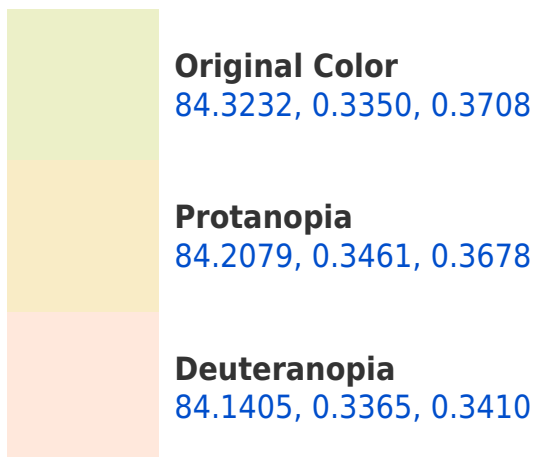


This preview shows how white text looks on a background with the Yxy color 84.3232, 0.3350, 0.3708.

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

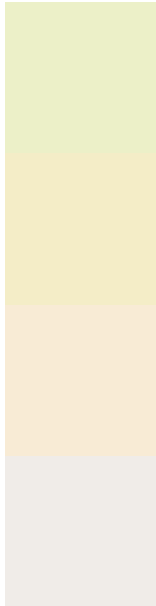




Tritanopia

84.2975, 0.3082, 0.3111

Trichromacy



Original Color

84.3232, 0.3350, 0.3708

Protanomaly

83.9250, 0.3417, 0.3682

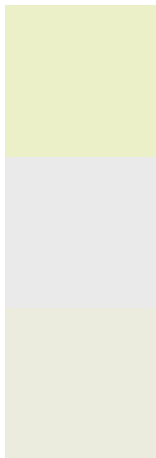
Deuteranomaly

84.1772, 0.3357, 0.3514

Tritanomaly

84.3424, 0.3179, 0.3331

Monochromacy



Original Color

84.3232, 0.3350, 0.3708

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.9270, 0.3208, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3232, 0.3350, 0.3708 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, 240, 200)` looks like.

```
.text, #text, p{  
    color:rgb(236, 240, 200)  
}
```

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, 240, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 240, 200) }
```

Border

The CSS property to change the border of an element to Yxy 84.3232, 0.3350, 0.3708 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, 240, 200) }
```

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

```
.border{ border-color:rgb(236, 240, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 240, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 240, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 240, 200);  
box-shadow:4px 4px 4px 4px rgb(236, 240,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3232, 0.3350, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 240, 200) }
```

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

```
.background{ background-color: rgb(236,  
240, 200) }
```

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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