

Converting Colors

$Yxy(84.6869, 0.3352, 0.3696)$

Have a look what the booklet for
Yxy(84.6869, 0.3352, 0.3696)
contains.

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Color

Yxy(84.5417, 0.3350, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	EDF0C9
RGB	237, 240, 201
RGB Percent	93%, 94%, 79%
CMY	0.0709, 0.0587, 0.2118
CMYK	0.01, 0.00, 0.16, 0.06
HSL	65°, 57%, 86%
HSV	65°, 16%, 94%
XYZ	76.6066, 84.5417, 67.5282
YIQ	234.6570, 10.7310, -12.7650

Conversions

Conversions Part 2

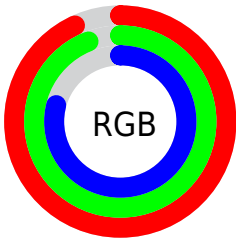
Format	Color
R _Y B	201, 240, 204
Decimal	15593673
CIE Lab	93.69, -7.47, 18.55
CIE LCh	94, 20.001, 111.923
Yxy	84.5417, 0.3350, 0.3697
Android (android.graphics.Color)	4293783753 (0xFFEDF0C9)
YUV	234.6570, -16.5929, 2.0548
Hunter-Lab	91.9466, -12.1866, 20.8183

Details

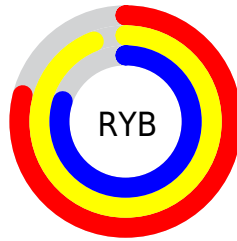
The Yxy color $84.5417, 0.3350, 0.3697$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $60.9096, 0.2884, 0.2854$, and the grayscale version is $82.9192, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.2113, 0.3398, 0.3787$ is the 20% darker color. If you saturate the color by 10%, you get $83.1757, 0.3488, 0.3955$, and if you desaturate by 10%, it is $86.0952, 0.3212, 0.3444$.

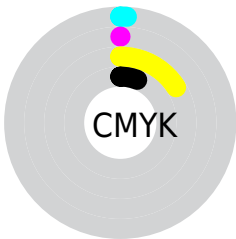
Distribution



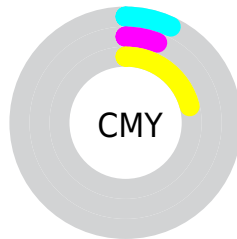
- Red (93%)
- Green (94%)
- Blue (79%)



- Red (79%)
- Yellow (94%)
- Blue (80%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5417, 0.3350, 0.3697 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 84.5417, 0.3350, 0.3697 by changing the saturation by 10% instead.

84.5417, 0.3350,
0.3697

84.5417, 0.3350,
0.3697

510.1103, 0.3251,
0.3511

63.4628, 0.3372,
0.3739

139.7327, 0.3317,
0.3633

46.2157, 0.3398,
0.3790

174.6135, 0.3303,
0.3608

32.4161, 0.3430,
0.3854

214.8638, 0.3292,
0.3586

21.6795, 0.3470,
0.3938

260.8679, 0.3282,
0.3568

13.6216, 0.3523,
0.4049

313.0102, 0.3273,
0.3551

7.8579, 0.3593,
0.4205

371.6751, 0.3265,

4.0042, 0.3690,

0.3536

0.4439

437.2470, 0.3258,
0.3523

■ 1.6759, 0.3960,
0.4990

■ 0.4080, 0.3350,
0.6650

■ 84.5417, 0.3350,
0.3697

■ 84.5417, 0.3350,
0.3697

■ 83.1757, 0.3488,
0.3955

■ 86.0952, 0.3212,
0.3444

■ 81.9778, 0.3623,
0.4209


■ 87.8326, 0.3078,
0.3201

■ 80.9429, 0.3747,
0.4450


■ 88.5511, 0.3054,
0.3143

■ 80.0614, 0.3855,
0.4668

■ 88.8922, 0.3066,
0.3143

 79.3226, 0.3943,
0.4853

 89.2368, 0.3079,
0.3144


 78.7144, 0.4005,
0.4996

 89.5850, 0.3091,
0.3144


 78.2227, 0.4041,
0.5095

 89.9368, 0.3103,
0.3145

 77.8300, 0.4052,
0.5150

 90.2921, 0.3116,
0.3145

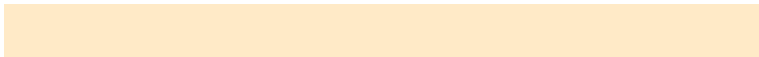
 77.6982, 0.4052,
0.5164

 90.6510, 0.3128,
0.3146

Harmonies

Analogous

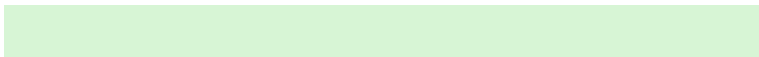
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5417, 0.3520, 0.3638



84.5417, 0.3350, 0.3697



84.5417, 0.3125, 0.3639

Triad

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



84.5417, 0.3350, 0.3697



84.5417, 0.2692, 0.3066



84.5417, 0.3346, 0.3112

Complementary

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



84.5417, 0.3350, 0.3697



60.9096, 0.2884, 0.2854

Split Complementary

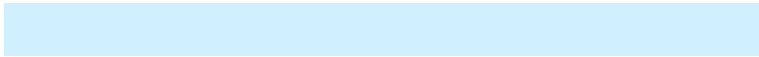
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5417, 0.3117, 0.2972



84.5417, 0.3350, 0.3697



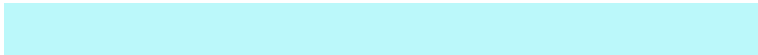
84.5417, 0.2745, 0.2940

Square

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



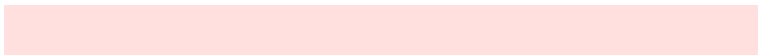
84.5417, 0.3350, 0.3697



84.5417, 0.2749, 0.3262



84.5417, 0.2898, 0.2909



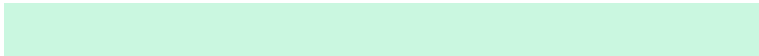
84.5417, 0.3519, 0.3298

Rectangle

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



84.5417, 0.3350, 0.3697



84.5417, 0.2974, 0.3539



84.5417, 0.2898, 0.2909



84.5417, 0.3272, 0.3059

Sweetspot

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



84.5454, 0.3350, 0.3697



99.0139, 0.3195, 0.3413



65.7368, 0.3432, 0.3319



21.1643, 0.3204, 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.



84.5454, 0.3350, 0.3697



96.3778, 0.3403, 0.3795



81.4450, 0.3219, 0.3714



18.3913, 0.3256, 0.3524



42.5485, 0.4055, 0.5163



3.5585, 0.4074, 0.5147

Inverse Universe

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



60.9096, 0.2884, 0.2854



63.8243, 0.2819, 0.2740



63.7647, 0.3021, 0.2871



15.2888, 0.2992, 0.3047



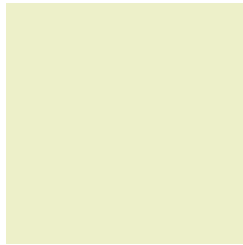
3.5423, 0.1525, 0.0614



0.3153, 0.1588, 0.0649

Previews

White Background



This preview shows how the Yxy color 84.5417, 0.3350, 0.3697 looks on a white background.

Color Contrast Check

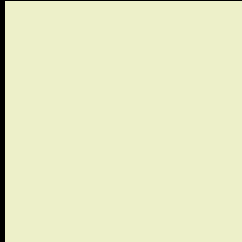
Large Text (above 18pt) WCAG AA × Fail

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 84.5417, 0.3350, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

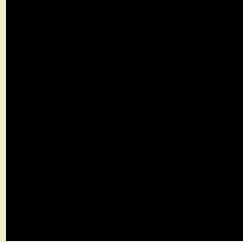
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

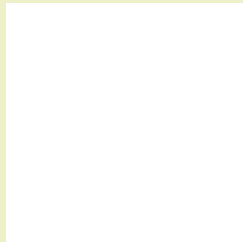
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5417, 0.3350, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 84.5417, 0.3350, 0.3697.

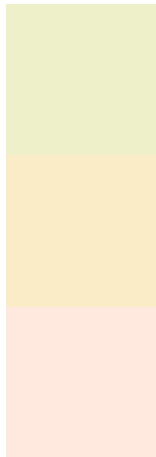


This preview shows how white text looks on a background with the Yxy color 84.5417, 0.3350, 0.3697.

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

84.5417, 0.3350, 0.3697

Protanopia

84.2542, 0.3455, 0.3667

Deuteranopia

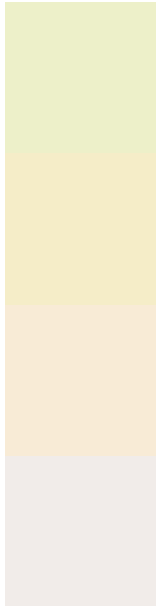
84.1937, 0.3358, 0.3400



Tritanopia

84.4760, 0.3089, 0.3112

Trichromacy



Original Color

84.5417, 0.3350, 0.3697

Protanomaly

84.1510, 0.3418, 0.3670

Deuteranomaly

84.2282, 0.3351, 0.3503

Tritanomaly

84.5749, 0.3179, 0.3321

Monochromacy



Original Color

84.5417, 0.3350, 0.3697

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.7290, 0.3208, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5417, 0.3350, 0.3697 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(237, 240, 201)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 201)  
}
```

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(237, 240, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 201) }
```

Border

The CSS property to change the border of an element to Yxy 84.5417, 0.3350, 0.3697 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(237, 240, 201) }
```

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

```
.border{ border-color:rgb(237, 240, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 201);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5417, 0.3350, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 201) }
```

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

```
.background{ background-color: rgb(237,  
240, 201) }
```

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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