

Converting Colors

Yxy(84.5846, 0.3216, 0.3402)

Have a look what the booklet for
Yxy(84.5846, 0.3216, 0.3402)
contains.

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Color

Yxy(84.5846, 0.3216, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	F0EDE2
RGB	240, 237, 226
RGB Percent	94%, 93%, 89%
CMY	0.0587, 0.0706, 0.1136
CMYK	0.00, 0.01, 0.06, 0.06
HSL	47°, 32%, 91%
HSV	47°, 6%, 94%
XYZ	79.9600, 84.5846, 84.0873
YIQ	236.6430, 5.3190, -2.7850

Conversions

Conversions Part 2

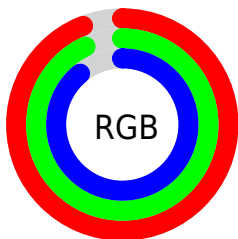
Format	Color
R _Y B	230, 240, 226
Decimal	15789538
CIE Lab	93.70, -0.85, 5.65
CIE LCh	94, 5.715, 98.599
Yxy	84.5846, 0.3216, 0.3402
Android (android.graphics.Color)	4293979618 (0xFFFF0EDE2)
YUV	236.6430, -5.2470, 2.9441
Hunter-Lab	91.9699, -5.7566, 10.1705

Details

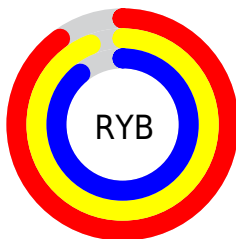
The Yxy color **84.5846, 0.3216, 0.3402** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.5525, 0.3038, 0.3175**, and the grayscale version is **84.4449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1784, 0.3234, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **80.3797, 0.3378, 0.3601**, and if you desaturate by 10%, it is **89.0695, 0.3066, 0.3212**.

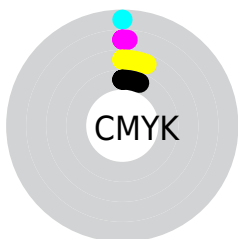
Distribution



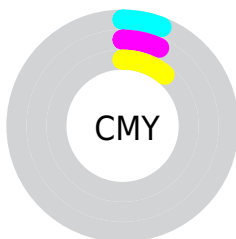
- Red (94%)
- Green (93%)
- Blue (89%)



- Red (90%)
- Yellow (94%)
- Blue (89%)



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



- Cyan (6%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5846, 0.3216, 0.3402 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 84.5846, 0.3216, 0.3402 by changing the saturation by 10% instead.

84.5846, 0.3216,
0.3402

84.5846, 0.3216,
0.3402

510.2525, 0.3176,
0.3352

63.4982, 0.3225,
0.3413

139.7927, 0.3202,
0.3385

46.2444, 0.3236,
0.3427

174.6831, 0.3197,
0.3378

32.4387, 0.3249,
0.3444

214.9437, 0.3192,
0.3372

21.6968, 0.3267,
0.3467

260.9588, 0.3188,
0.3367

13.6343, 0.3290,
0.3496

313.1129, 0.3185,
0.3362

7.8668, 0.3323,
0.3538

371.7902, 0.3181,

4.0098, 0.3371,

0.3358

437.3753, 0.3179,
0.3355

0.3601

■ 1.6790, 0.3452,
0.3706

■ 0.4100, 0.4443,
0.4939

■ 84.5846, 0.3216,
0.3402

■ 84.5846, 0.3216,
0.3402

■ 80.3797, 0.3378,
0.3601

■ 89.0695, 0.3066,
0.3212

■ 76.4354, 0.3551,
0.3805

■ 92.5434, 0.3037,
0.3216

■ 72.7465, 0.3731,
0.4008

■ 95.7915, 0.3036,
0.3267

■ 69.3034, 0.3914,
0.4201

■ 97.2722, 0.3036,
0.3290

■ 66.0959, 0.4092,
0.4376

■ 63.1124, 0.4259,
0.4521

■ 60.3403, 0.4406,
0.4626

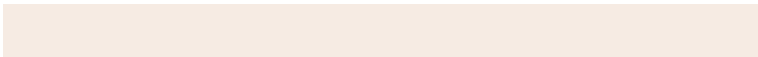
■ 57.7647, 0.4526,
0.4686

■ 55.3675, 0.4616,
0.4697

Harmonies

Analogous

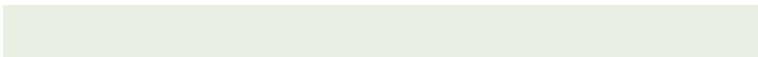
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5846, 0.3251, 0.3375



84.5846, 0.3216, 0.3402



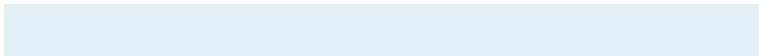
84.5846, 0.3157, 0.3398

Triad

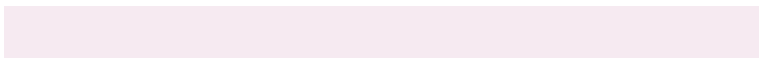
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5846, 0.3216, 0.3402



84.5846, 0.3004, 0.3252



84.5846, 0.3162, 0.3217

Complementary

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



84.5846, 0.3216, 0.3402



78.5525, 0.3038, 0.3175

Split Complementary

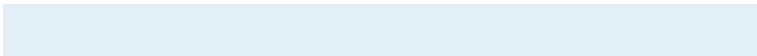
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5846, 0.3096, 0.3185



84.5846, 0.3216, 0.3402



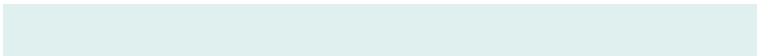
84.5846, 0.3005, 0.3204

Square

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



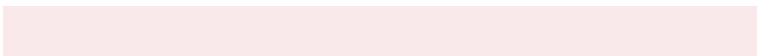
84.5846, 0.3216, 0.3402



84.5846, 0.3035, 0.3311



84.5846, 0.3039, 0.3180



84.5846, 0.3220, 0.3269

Rectangle

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



84.5846, 0.3216, 0.3402



84.5846, 0.3113, 0.3379



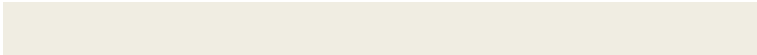
84.5846, 0.3039, 0.3180



84.5846, 0.3140, 0.3204

Sweetspot

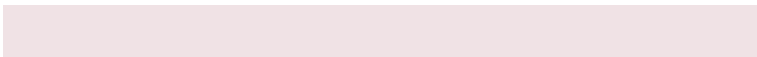
The Sweet Spot groups the original color and five complimentary colors.



84.5883, 0.3216, 0.3402



98.9696, 0.3157, 0.3328



78.6178, 0.3204, 0.3257



21.1944, 0.3156, 0.3326



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

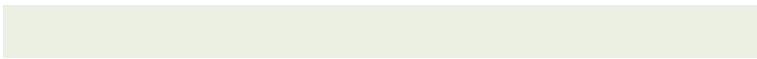
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5883, 0.3216, 0.3402



96.4493, 0.3235, 0.3425



85.7213, 0.3188, 0.3434



18.0150, 0.3243, 0.3436



29.9779, 0.4638, 0.4699



2.6368, 0.4568, 0.4755

Inverse Universe

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



78.5525, 0.3038, 0.3175



88.1818, 0.3019, 0.3151



77.4900, 0.3064, 0.3144



16.3497, 0.3010, 0.3139



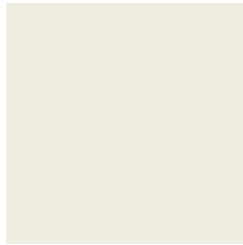
4.9590, 0.1563, 0.0828



0.5546, 0.1629, 0.1062

Previews

White Background



This preview shows how the Yxy color 84.5846, 0.3216, 0.3402 looks on a white background.

Color Contrast Check

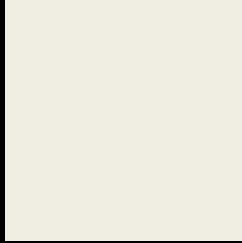
Large Text (above 18pt) WCAG AA × Fail

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 84.5846, 0.3216, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

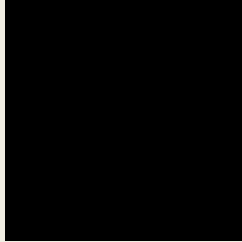
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

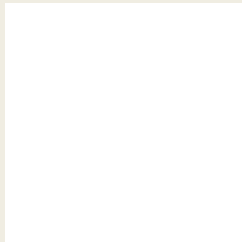
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5846, 0.3216, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 84.5846, 0.3216, 0.3402.

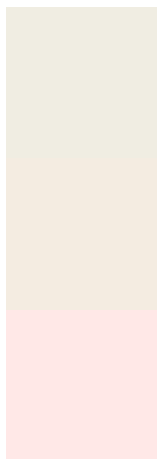


This preview shows how white text looks on a background with the Yxy color 84.5846, 0.3216, 0.3402.

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

84.5846, 0.3216, 0.3402

Protanopia

84.6602, 0.3251, 0.3402

Deuteranopia

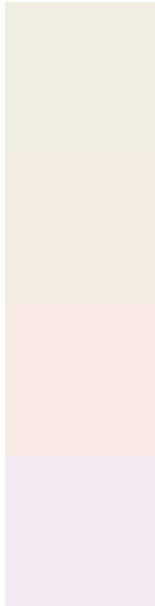
84.7427, 0.3292, 0.3300



Tritanopia

84.5392, 0.3083, 0.3102

Trichromacy



Original Color

84.5846, 0.3216, 0.3402

Protanomaly

84.4818, 0.3244, 0.3402

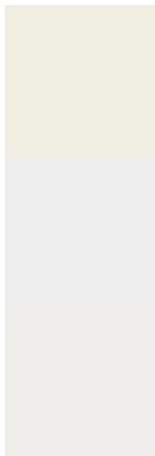
Deuteranomaly

84.8268, 0.3268, 0.3340

Tritanomaly

84.3714, 0.3131, 0.3200

Monochromacy



Original Color

84.5846, 0.3216, 0.3402

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6287, 0.3159, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5846, 0.3216, 0.3402 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(240, 237, 226) looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 226)  
}
```

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(240, 237, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 226) }
```

Border

The CSS property to change the border of an element to Yxy 84.5846, 0.3216, 0.3402 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(240, 237, 226) }
```

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

```
.border{ border-color:rgb(240, 237, 226) }
```

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

Here you see how a box with a 4 pixel rgb(240, 237, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 226);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5846, 0.3216, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 226) }
```

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

```
.background{ background-color: rgb(240,  
237, 226) }
```

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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