

Converting Colors

$Y_{xy}(85.7142, 0.3277, 0.3421)$

Have a look what the booklet for
Yxy(85.7142, 0.3277, 0.3421)
contains.

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Color

Yxy(85.7243, 0.3277, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	F7EDE0
RGB	247, 237, 224
RGB Percent	97%, 93%, 88%
CMY	0.0311, 0.0707, 0.1215
CMYK	0.00, 0.04, 0.09, 0.03
HSL	34°, 59%, 92%
HSV	34°, 9%, 97%
XYZ	82.1159, 85.7243, 82.7424
YIQ	238.5080, 10.1330, -1.9230

Conversions

Conversions Part 2

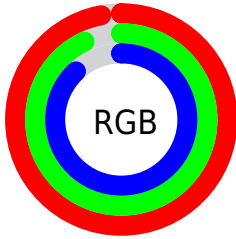
Format	Color
R _Y B	242, 247, 224
Decimal	16248288
CIE Lab	94.19, 1.24, 7.48
CIE LCh	94, 7.582, 80.621
Yxy	85.7243, 0.3277, 0.3421
Android (android.graphics.Color)	4294438368 (0xFFF7EDE0)
YUV	238.5080, -7.1524, 7.4475
Hunter-Lab	92.5874, -3.7161, 11.8256

Details

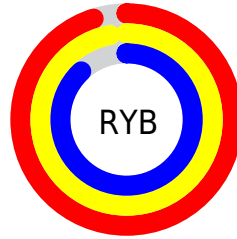
The Yxy color **85.7243, 0.3277, 0.3421** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4689, 0.2982, 0.3155**, and the grayscale version is **85.9743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9887, 0.3312, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **78.4127, 0.3457, 0.3569**, and if you desaturate by 10%, it is **93.6155, 0.3117, 0.3281**.

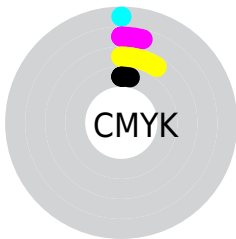
Distribution



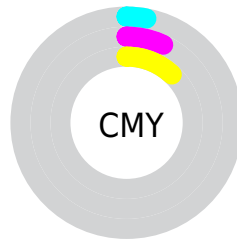
- Red (97%)
- Green (93%)
- Blue (88%)



- Red (95%)
- Yellow (97%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (3%)




- Cyan (3%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7243, 0.3277, 0.3421 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 85.7243, 0.3277, 0.3421 by changing the saturation by 10% instead.

 85.7243, 0.3277,
0.3421

 85.7243, 0.3277,
0.3421


514.0217, 0.3210,
0.3362

 64.4400, 0.3292,
0.3434


141.3847, 0.3254,
0.3401

 47.0072, 0.3310,
0.3450


176.5296, 0.3245,
0.3393

 33.0413, 0.3333,
0.3470


217.0635, 0.3237,
0.3386

 22.1581, 0.3363,
0.3495

263.3708, 0.3230,
0.3380

 13.9731, 0.3402,
0.3529

315.8358, 0.3224,
0.3375

 8.1020, 0.3457,
0.3575

374.8431, 0.3219,

 4.1603, 0.3539,

0.3370

0.3644

440.7769, 0.3214,
0.3366

■ 1.7636, 0.3674,
0.3757

■ 0.4643, 0.5038,
0.4962

■ 85.7243, 0.3277,
0.3421

■ 85.7243, 0.3277,
0.3421

■ 78.4127, 0.3457,
0.3569

■ 93.6155, 0.3117,
0.3281

■ 71.6544, 0.3659,
0.3721

■ 98.5275, 0.3078,
0.3290

■ 65.4375, 0.3881,
0.3872

■ 59.7452, 0.4121,
0.4014

■ 54.5599, 0.4370,
0.4138

■ 49.8621, 0.4620,
0.4230

■ 45.6309, 0.4856,
0.4279

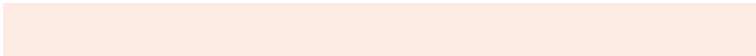
■ 41.8420, 0.5064,
0.4275

■ 38.4626, 0.5236,
0.4220

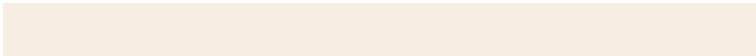
Harmonies

Analogous

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



85.7243, 0.3298, 0.3366



85.7243, 0.3277, 0.3421



85.7243, 0.3216, 0.3441

Triad

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



85.7243, 0.3277, 0.3421



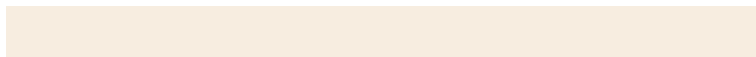
85.7243, 0.2985, 0.3285



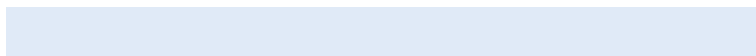
85.7243, 0.3121, 0.3165

Complementary

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



85.7243, 0.3277, 0.3421



81.4689, 0.2982, 0.3155

Split Complementary

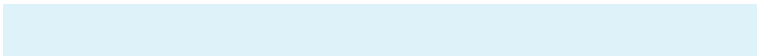
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7243, 0.3038, 0.3143



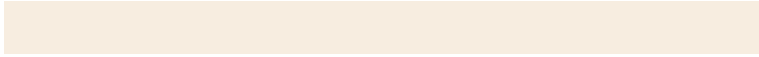
85.7243, 0.3277, 0.3421



85.7243, 0.2960, 0.3211

Square

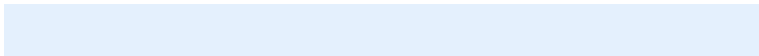
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



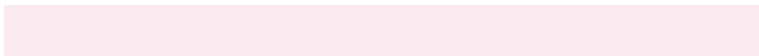
85.7243, 0.3277, 0.3421



85.7243, 0.3047, 0.3362



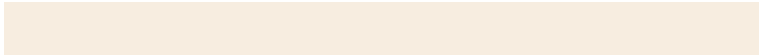
85.7243, 0.2979, 0.3159



85.7243, 0.3207, 0.3219

Rectangle

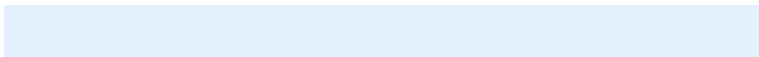
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7243, 0.3277, 0.3421



85.7243, 0.3161, 0.3432



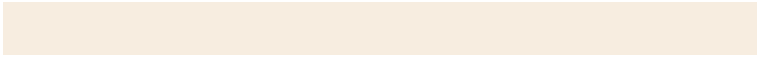
85.7243, 0.2979, 0.3159



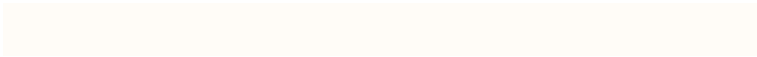
85.7243, 0.3092, 0.3153

Sweetspot

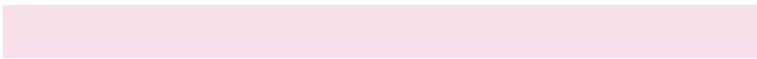
The Sweet Spot groups the original color and five complimentary colors.



85.7281, 0.3277, 0.3421



97.4004, 0.3173, 0.3331



79.0647, 0.3221, 0.3186



20.7010, 0.3186, 0.3343



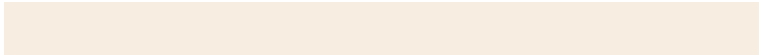
0.0000, 0.0000, 0.0000



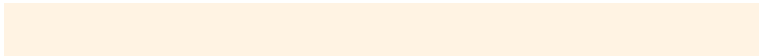
21.4041, 0.3127, 0.3290

Same Dimension

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



85.7281, 0.3277, 0.3421



90.7428, 0.3306, 0.3445



91.5271, 0.3259, 0.3521



18.0293, 0.3279, 0.3423



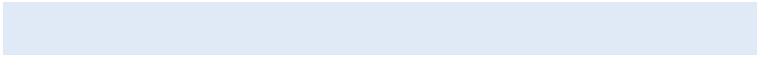
20.5040, 0.5225, 0.4233



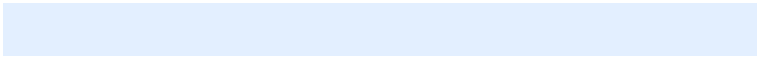
2.0065, 0.5060, 0.4364

Inverse Universe

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



81.4689, 0.2982, 0.3155



85.4049, 0.2955, 0.3130



76.0675, 0.2989, 0.3050



17.1194, 0.2980, 0.3153



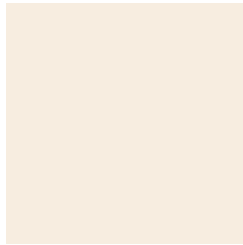
9.5006, 0.1715, 0.1375



1.0358, 0.1782, 0.1616

Previews

White Background



This preview shows how the Yxy color 85.7243, 0.3277, 0.3421 looks on a white background.

Color Contrast Check

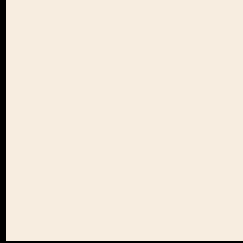
Large Text (above 18pt) WCAG AA × Fail

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 85.7243, 0.3277, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

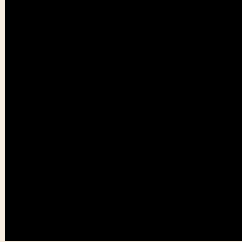
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

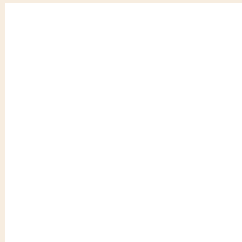
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7243, 0.3277, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 85.7243, 0.3277, 0.3421.

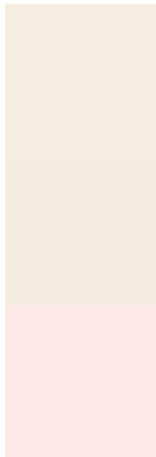


This preview shows how white text looks on a background with the Yxy color 85.7243, 0.3277, 0.3421.

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

85.7243, 0.3277, 0.3421

Protanopia

85.5430, 0.3270, 0.3422

Deuteranopia

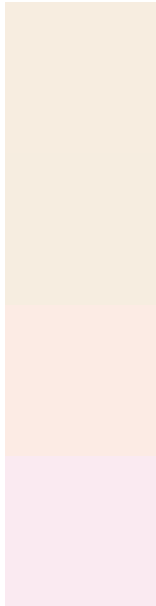
85.8752, 0.3290, 0.3320



Tritanopia

85.7521, 0.3135, 0.3114

Trichromacy



Original Color

85.7243, 0.3277, 0.3421

Protanomaly

85.5430, 0.3270, 0.3422

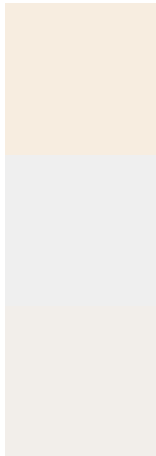
Deuteranomaly

85.7135, 0.3287, 0.3360

Tritanomaly

85.5205, 0.3191, 0.3221

Monochromacy



Original Color

85.7243, 0.3277, 0.3421

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.9668, 0.3178, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7243, 0.3277, 0.3421 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(247, 237, 224)` looks like.

```
.text, #text, p{  
    color:rgb(247, 237, 224)  
}
```

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(247, 237, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 237, 224) }
```

Border

The CSS property to change the border of an element to Yxy 85.7243, 0.3277, 0.3421 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(247, 237, 224) }
```

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

```
.border{ border-color:rgb(247, 237, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 237, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 237, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 237, 224);  
box-shadow:4px 4px 4px 4px rgb(247, 237,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7243, 0.3277, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 237, 224) }
```

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

```
.background{ background-color: rgb(247,  
237, 224) }
```

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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