

Converting Colors

Yxy(83.6757, 0.3188, 0.3338)

Have a look what the booklet for
Yxy(83.6757, 0.3188, 0.3338)
contains.

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Color

Yxy(83.6551, 0.3192, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	F0EBE6
RGB	240, 235, 230
RGB Percent	94%, 92%, 90%
CMY	0.0589, 0.0784, 0.0980
CMYK	0.00, 0.02, 0.04, 0.06
HSL	30°, 25%, 92%
HSV	30°, 4%, 94%
XYZ	79.9243, 83.6551, 86.8100
YIQ	235.9250, 4.5850, -0.4950

Conversions

Conversions Part 2

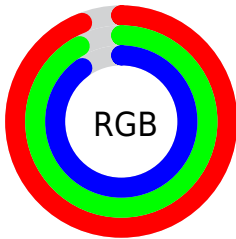
Format	Color
R _Y B	240, 240, 230
Decimal	15789030
CIE Lab	93.30, 0.81, 3.00
CIE LCh	93, 3.105, 74.809
Yxy	83.6551, 0.3192, 0.3341
Android (android.graphics.Color)	4293979110 (0xFFFF0EBE6)
YUV	235.9250, -2.9210, 3.5738
Hunter-Lab	91.4632, -4.0798, 7.7506

Details

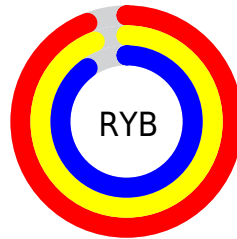
The Yxy color **83.6551, 0.3192, 0.3341** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.5302, 0.3064, 0.3238**, and the grayscale version is **83.8420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5257, 0.3203, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **75.7695, 0.3364, 0.3469**, and if you desaturate by 10%, it is **92.1958, 0.3042, 0.3221**.

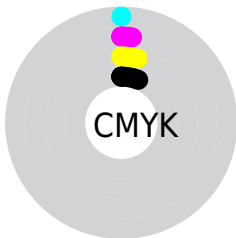
Distribution



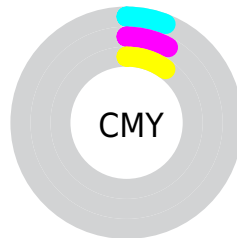
- Red (94%)
- Green (92%)
- Blue (90%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (6%)





- Cyan (6%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6551, 0.3192, 0.3341 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 83.6551, 0.3192, 0.3341 by changing the saturation by 10% instead.

 83.6551, 0.3192,
0.3341

 83.6551, 0.3192,
0.3341

507.1672, 0.3163,
0.3318

 62.7307, 0.3199,
0.3346


138.4926, 0.3182,
0.3333

 45.6234, 0.3207,
0.3352


173.1745, 0.3178,
0.3330

 31.9487, 0.3217,
0.3360


213.2111, 0.3175,
0.3327

 21.3223, 0.3229,
0.3370


258.9867, 0.3172,
0.3325

 13.3598, 0.3247,
0.3384

310.8857, 0.3169,
0.3323

 7.6768, 0.3271,
0.3402

369.2925, 0.3167,

 3.8888, 0.3308,

0.3321

434.5916, 0.3165,
0.3320

0.3431

1.6116, 0.3370,
0.3478

0.3654, 0.3987,
0.3968

83.6551, 0.3192,
0.3341

83.6551, 0.3192,
0.3341

75.7695, 0.3364,
0.3469

92.1958, 0.3042,
0.3221

68.5116, 0.3560,
0.3604

97.2627, 0.3035,
0.3290

61.8675, 0.3781,
0.3740

55.8191, 0.4026,
0.3873

■ 50.3469, 0.4291,
0.3994

■ 45.4303, 0.4568,
0.4090

■ 41.0468, 0.4842,
0.4151

■ 37.1717, 0.5098,
0.4162

■ 33.7767, 0.5317,
0.4117

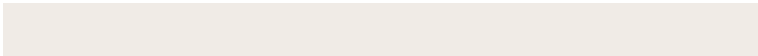
Harmonies

Analogous

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



83.6551, 0.3197, 0.3317



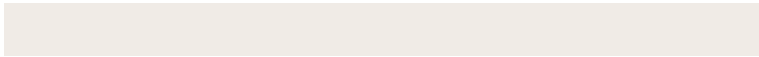
83.6551, 0.3192, 0.3341



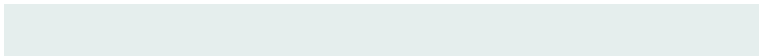
83.6551, 0.3170, 0.3352

Triad

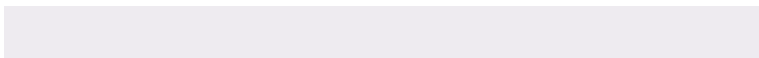
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6551, 0.3192, 0.3341



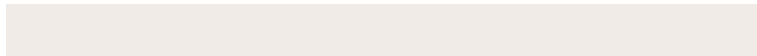
83.6551, 0.3072, 0.3295



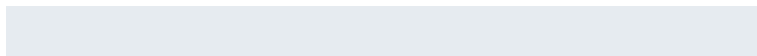
83.6551, 0.3118, 0.3235

Complementary

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



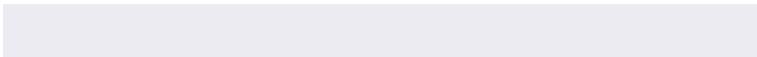
83.6551, 0.3192, 0.3341



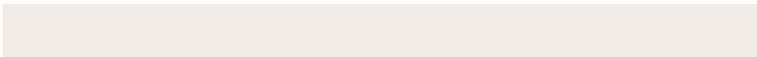
82.5302, 0.3064, 0.3238

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.



83.6551, 0.3085, 0.3229



83.6551, 0.3192, 0.3341



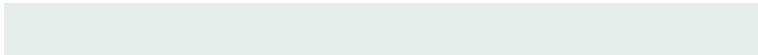
83.6551, 0.3058, 0.3263

Square

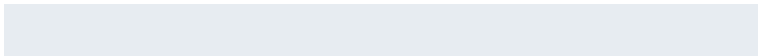
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6551, 0.3192, 0.3341



83.6551, 0.3101, 0.3325



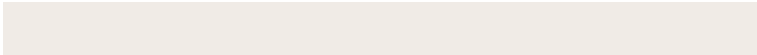
83.6551, 0.3063, 0.3239



83.6551, 0.3154, 0.3256

Rectangle

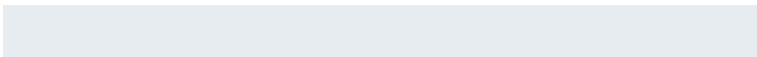
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



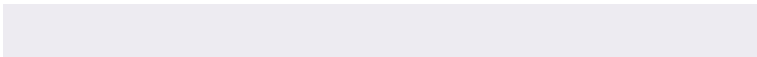
83.6551, 0.3192, 0.3341



83.6551, 0.3148, 0.3350



83.6551, 0.3063, 0.3239



83.6551, 0.3106, 0.3231

Sweetspot

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



83.6587, 0.3192, 0.3341



99.0272, 0.3142, 0.3302



81.1250, 0.3164, 0.3239



21.2062, 0.3142, 0.3302



0.0000, 0.0000, 0.0000



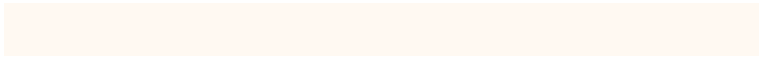
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6587, 0.3192, 0.3341



95.2112, 0.3206, 0.3352



86.5484, 0.3188, 0.3391



17.7177, 0.3217, 0.3360



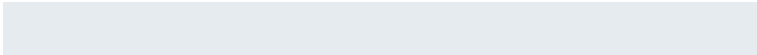
17.7831, 0.5404, 0.4091



1.6784, 0.5202, 0.4251

Inverse Universe

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



82.5302, 0.3064, 0.3238



93.6557, 0.3050, 0.3227



79.7205, 0.3065, 0.3187



17.3889, 0.3040, 0.3219



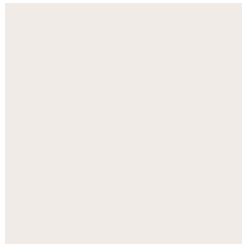
11.0412, 0.1771, 0.1576



1.1175, 0.1837, 0.1814

Previews

White Background



This preview shows how the Yxy color 83.6551, 0.3192, 0.3341 looks on a white background.

Color Contrast Check

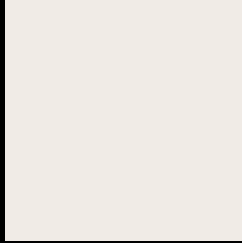
Large Text (above 18pt) WCAG AA × Fail

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 83.6551, 0.3192, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

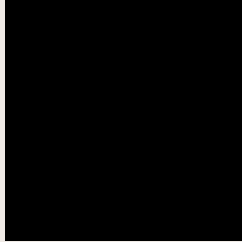
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

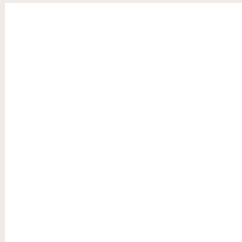
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6551, 0.3192, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 83.6551, 0.3192, 0.3341.

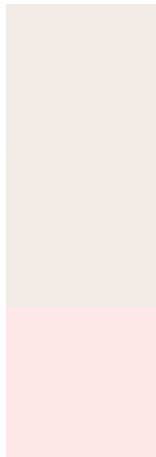


This preview shows how white text looks on a background with the Yxy color 83.6551, 0.3192, 0.3341.

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

83.6551, 0.3192, 0.3341

Protanopia

83.8306, 0.3199, 0.3341

Deuteranopia

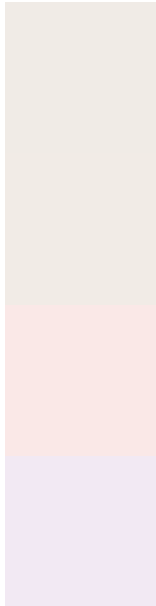
83.6798, 0.3287, 0.3271



Tritanopia

83.6700, 0.3089, 0.3111

Trichromacy



Original Color

83.6551, 0.3192, 0.3341

Protanomaly

83.8306, 0.3199, 0.3341

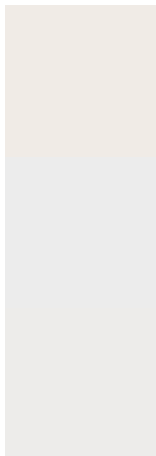
Deuteranomaly

83.8067, 0.3257, 0.3300

Tritanomaly

83.6261, 0.3125, 0.3190

Monochromacy



Original Color

83.6551, 0.3192, 0.3341

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9359, 0.3146, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6551, 0.3192, 0.3341 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, 235, 230)` looks like.

```
.text, #text, p{  
    color:rgb(240, 235, 230)  
}
```

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, 235, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 235, 230) }
```

Border

The CSS property to change the border of an element to Yxy 83.6551, 0.3192, 0.3341 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, 235, 230) }
```

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

```
.border{ border-color:rgb(240, 235, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 235, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 235, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 235, 230);  
box-shadow:4px 4px 4px 4px rgb(240, 235,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6551, 0.3192, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 235, 230) }
```

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

```
.background{ background-color: rgb(240,  
235, 230) }
```

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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