

Converting Colors

$Yxy(83.7377, 0.3335, 0.3633)$

Have a look what the booklet for
Yxy(83.7377, 0.3335, 0.3633)
contains.

| | |
|------------------------------------------------|----|
| Yxy(83.7340, 0.3335, 0.3633) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(83.7340, 0.3335, 0.3633)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EEEECD |
| RGB | 238, 238, 205 |
| RGB Percent | 93%, 93%, 80% |
| CMY | 0.0665, 0.0667, 0.1960 |
| CMYK | 0.00, 0.00, 0.14, 0.07 |
| HSL | 60°, 49%, 87% |
| HSV | 60°, 14%, 93% |
| XYZ | 76.8656, 83.7340, 69.8821 |
| YIQ | 234.2380, 10.5930, -10.2630 |

Conversions

Conversions Part 2

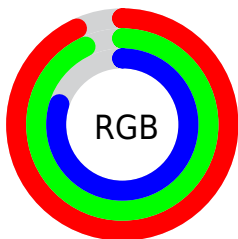
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 205, 238, 205 |
| Decimal | 15658701 |
| CIE Lab | 93.33, -5.43, 15.99 |
| CIE LCh | 93, 16.889, 108.766 |
| Yxy | 83.7340, 0.3335, 0.3633 |
| Android (android.graphics.Color) | 4293848781 (0xFFEEEECD) |
| YUV | 234.2380, -14.4143, 3.2993 |
| Hunter-Lab | 91.5063, -10.1953, 18.7755 |

Details

The Yxy color **83.7340, 0.3335, 0.3633** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.8541, 0.2904, 0.2922**, and the grayscale version is **82.5815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6353, 0.3379, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **82.6541, 0.3488, 0.3885**, and if you desaturate by 10%, it is **84.9961, 0.3184, 0.3384**.

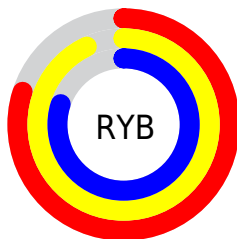
Distribution



Red (93%)

Green (93%)

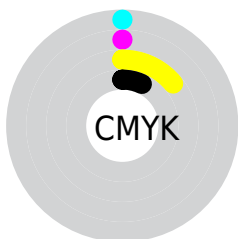
Blue (80%)



Red (80%)

Yellow (93%)

Blue (80%)

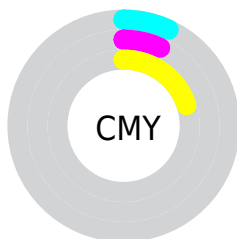


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7340, 0.3335, 0.3633 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 83.7340, 0.3335, 0.3633 by changing the saturation by 10% instead.


 83.7340, 0.3335,
0.3633

 83.7340, 0.3335,
0.3633


507.4295, 0.3242,
0.3477

 62.7958, 0.3355,
0.3668


138.6030, 0.3303,
0.3579

 45.6761, 0.3380,
0.3711


173.3027, 0.3291,
0.3558

 31.9903, 0.3411,
0.3765


213.3583, 0.3280,
0.3540

 21.3541, 0.3450,
0.3835

259.1543, 0.3271,
0.3524

 13.3831, 0.3502,
0.3929

311.0750, 0.3262,
0.3510

 7.6929, 0.3572,
0.4061

369.5048, 0.3255,

 3.8990, 0.3671,

0.3498

0.4259

434.8282, 0.3248,
0.3487

1.6173, 0.3901,
0.4682

0.3692, 0.3715,
0.6285

83.7340, 0.3335,
0.3633

83.7340, 0.3335,
0.3633

82.6541, 0.3488,
0.3885

84.9961, 0.3184,
0.3384

81.7376, 0.3638,
0.4133


86.4369, 0.3039,
0.3145

80.9797, 0.3780,
0.4367


86.6084, 0.3025,
0.3122

80.3710, 0.3908,
0.4578


86.6282, 0.3025,
0.3122

 79.9015, 0.4015,
0.4755


 86.6481, 0.3025,
0.3122

 79.5598, 0.4098,
0.4891


 86.6679, 0.3025,
0.3123

 79.3325, 0.4155,
0.4984

 86.6878, 0.3025,
0.3123

 79.2035, 0.4186,
0.5035

 86.7077, 0.3025,
0.3123

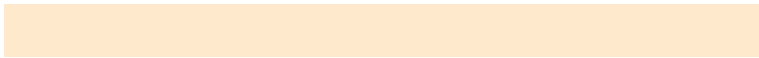
 79.1580, 0.4196,
0.5051

 86.7276, 0.3025,
0.3124

Harmonies

Analogous

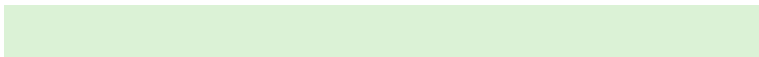
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7340, 0.3470, 0.3576



83.7340, 0.3335, 0.3633



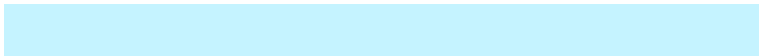
83.7340, 0.3147, 0.3594

Triad

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



83.7340, 0.3335, 0.3633



83.7340, 0.2757, 0.3116



83.7340, 0.3293, 0.3124

Complementary

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



83.7340, 0.3335, 0.3633



62.8541, 0.2904, 0.2922

Split Complementary

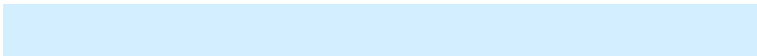
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7340, 0.3098, 0.3010



83.7340, 0.3335, 0.3633



83.7340, 0.2793, 0.3001

Square

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



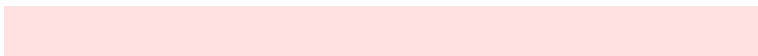
83.7340, 0.3335, 0.3633



83.7340, 0.2816, 0.3287



83.7340, 0.2916, 0.2964



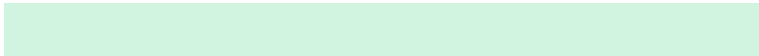
83.7340, 0.3447, 0.3281

Rectangle

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



83.7340, 0.3335, 0.3633



83.7340, 0.3018, 0.3515



83.7340, 0.2916, 0.2964



83.7340, 0.3230, 0.3080

Sweetspot

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



83.7377, 0.3335, 0.3633



99.3510, 0.3186, 0.3388



66.2933, 0.3379, 0.3285



21.2399, 0.3198, 0.3406



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.



83.7377, 0.3335, 0.3633



97.4762, 0.3384, 0.3714



81.1237, 0.3225, 0.3646



18.4550, 0.3268, 0.3523



44.1472, 0.4196, 0.5051



3.6739, 0.4195, 0.5051

Inverse Universe

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



62.8541, 0.2904, 0.2922



68.1082, 0.2847, 0.2828



65.2183, 0.3018, 0.2934



15.2324, 0.2979, 0.3046



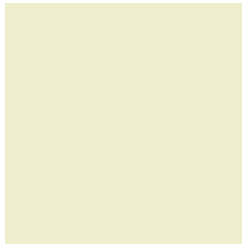
3.4496, 0.1500, 0.0601



0.2882, 0.1501, 0.0603

Previews

White Background



This preview shows how the Yxy color 83.7340, 0.3335, 0.3633 looks on a white background.

Color Contrast Check

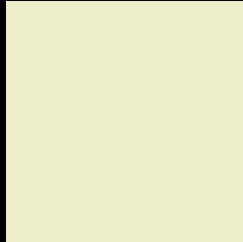
Large Text (above 18pt) WCAG AA × Fail

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 83.7340, 0.3335, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

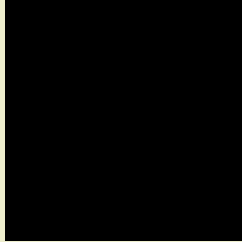
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

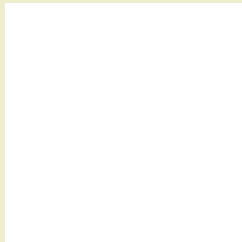
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7340, 0.3335, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 83.7340, 0.3335, 0.3633.

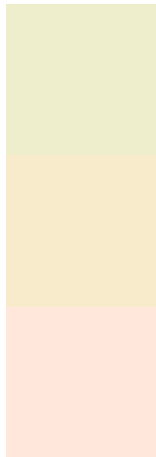


This preview shows how white text looks on a background with the Yxy color 83.7340, 0.3335, 0.3633.

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

83.7340, 0.3335, 0.3633

Protanopia

83.5505, 0.3409, 0.3607

Deuteranopia

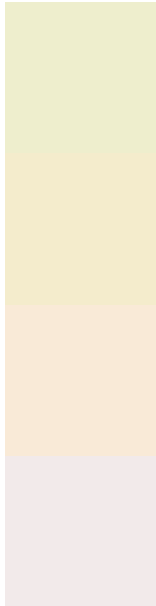
83.5791, 0.3366, 0.3400



Tritanopia

83.8484, 0.3095, 0.3111

Trichromacy



Original Color

83.7340, 0.3335, 0.3633

Protanomaly

83.5836, 0.3387, 0.3620

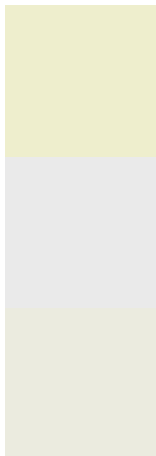
Deuteranomaly

83.8917, 0.3353, 0.3483

Tritanomaly

83.6634, 0.3181, 0.3290

Monochromacy



Original Color

83.7340, 0.3335, 0.3633

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4065, 0.3202, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7340, 0.3335, 0.3633 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(238, 238, 205)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 205)  
}
```

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(238, 238, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 205) }
```

Border

The CSS property to change the border of an element to Yxy 83.7340, 0.3335, 0.3633 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(238, 238, 205) }
```

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

```
.border{ border-color:rgb(238, 238, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 205);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7340, 0.3335, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 205) }
```

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

```
.background{ background-color: rgb(238,  
238, 205) }
```

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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