

Converting Colors

Yxy(83.2862, 0.3390, 0.3712)

Have a look what the booklet for
Yxy(83.2862, 0.3390, 0.3712)
contains.

Yxy(83.5310, 0.3393, 0.3717)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.5310, 0.3393, 0.3717)

Conversions

Conversions Part 1

Format	Color
Hex	EFEEC5
RGB	239, 238, 197
RGB Percent	94%, 93%, 77%
CMY	0.0628, 0.0666, 0.2273
CMYK	0.00, 0.00, 0.18, 0.06
HSL	59°, 57%, 85%
HSV	59°, 18%, 94%
XYZ	76.2498, 83.5310, 64.9461
YIQ	233.6250, 13.7570, -12.5390

Conversions

Conversions Part 2

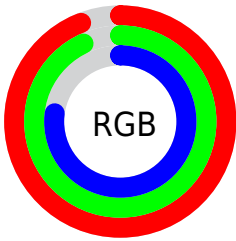
Format	Color
R_{YB}	198, 239, 197
Decimal	15724229
CIE _{Lab}	93.25, -6.30, 20.00
CIE _{LCh}	93, 20.969, 107.483
Yxy	83.5310, 0.3393, 0.3717
Android (android.graphics.Color)	4293914309 (0xFFEFEEC5)
YUV	233.6250, -18.0561, 4.7139
Hunter-Lab	91.3953, -11.0217, 21.8449

Details

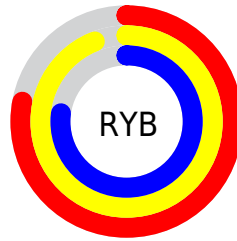
The Yxy color **83.5310, 0.3393, 0.3717** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.5030, 0.2839, 0.2824**, and the grayscale version is **82.1153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **45.5063, 0.3454, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **82.1977, 0.3548, 0.3964**, and if you desaturate by 10%, it is **85.0464, 0.3240, 0.3471**.

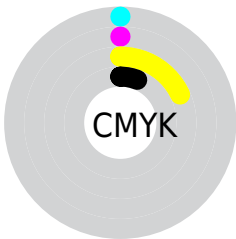
Distribution



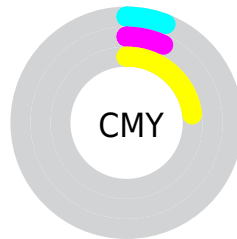
- Red (94%)
- Green (93%)
- Blue (77%)



- Red (78%)
- Yellow (94%)
- Blue (77%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5310, 0.3393, 0.3717 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 83.5310, 0.3393, 0.3717 by changing the saturation by 10% instead.

83.5310, 0.3393,
0.3717

83.5310, 0.3393,
0.3717

506.7545, 0.3275,
0.3522

62.6283, 0.3419,
0.3761

138.3189, 0.3353,
0.3650

45.5406, 0.3450,
0.3814

172.9729, 0.3337,
0.3624

31.8834, 0.3489,
0.3882

212.9795, 0.3323,
0.3601

21.2725, 0.3538,
0.3969

258.7230, 0.3311,
0.3581

13.3233, 0.3602,
0.4085

310.5879, 0.3300,
0.3564

7.6516, 0.3688,
0.4247

368.9585, 0.3291,

3.8728, 0.3806,

0.3548

0.4487

434.2192, 0.3282,
0.3535

■ 1.6027, 0.4204,
0.5158

■ 0.3594, 0.3432,
0.6568

■ 83.5310, 0.3393,
0.3717

■ 83.5310, 0.3393,
0.3717

■ 82.1977, 0.3548,
0.3964

■ 85.0464, 0.3240,
0.3471

■ 81.0273, 0.3699,
0.4204


■ 86.7404, 0.3092,
0.3233


■ 80.0147, 0.3840,
0.4428


■ 87.7077, 0.3031,
0.3138

■ 79.1501, 0.3966,
0.4624

■ 88.0384, 0.3031,
0.3144

 78.4229, 0.4071,
0.4785


 88.3700, 0.3031,
0.3149


 77.8210, 0.4150,
0.4905


 88.7027, 0.3031,
0.3155


 77.3300, 0.4203,
0.4980

 89.0364, 0.3031,
0.3161

 76.9309, 0.4230,
0.5014

 89.3711, 0.3031,
0.3166

 76.8403, 0.4235,
0.5019

 89.7069, 0.3031,
0.3172

Harmonies

Analogous

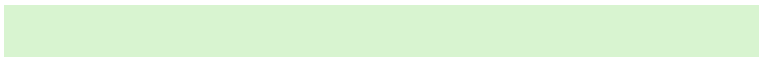
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5310, 0.3558, 0.3637



83.5310, 0.3393, 0.3717



83.5310, 0.3160, 0.3675

Triad

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



83.5310, 0.3393, 0.3717



83.5310, 0.2671, 0.3080



83.5310, 0.3323, 0.3077

Complementary

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



83.5310, 0.3393, 0.3717



58.5030, 0.2839, 0.2824

Split Complementary

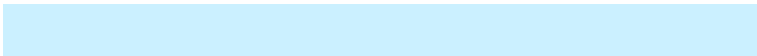
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5310, 0.3079, 0.2941



83.5310, 0.3393, 0.3717



83.5310, 0.2710, 0.2935

Square

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



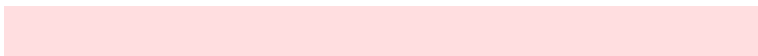
83.5310, 0.3393, 0.3717



83.5310, 0.2748, 0.3294



83.5310, 0.2856, 0.2888



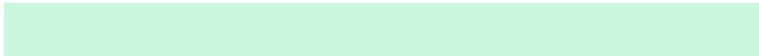
83.5310, 0.3519, 0.3268

Rectangle

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



83.5310, 0.3393, 0.3717



83.5310, 0.3000, 0.3580



83.5310, 0.2856, 0.2888



83.5310, 0.3244, 0.3024

Sweetspot

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



83.5347, 0.3393, 0.3717



99.0148, 0.3201, 0.3410



62.3939, 0.3455, 0.3276



21.1645, 0.3212, 0.3427



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

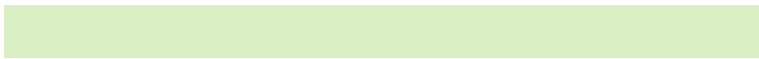
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5347, 0.3393, 0.3717



96.2180, 0.3447, 0.3804



80.8850, 0.3255, 0.3746



18.3915, 0.3269, 0.3518



42.4958, 0.4235, 0.5020



3.5553, 0.4229, 0.5024

Inverse Universe

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



58.5030, 0.2839, 0.2824



62.2742, 0.2774, 0.2718



60.8715, 0.2980, 0.2832



15.2882, 0.2979, 0.3051



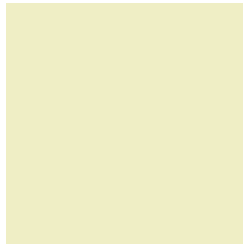
3.5376, 0.1504, 0.0615



0.3151, 0.1515, 0.0653

Previews

White Background



This preview shows how the Yxy color 83.5310, 0.3393, 0.3717 looks on a white background.

Color Contrast Check

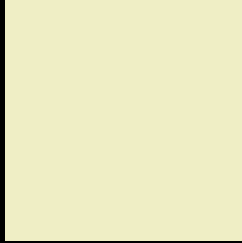
Large Text (above 18pt) WCAG AA × Fail

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 83.5310, 0.3393, 0.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

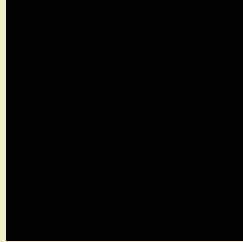
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

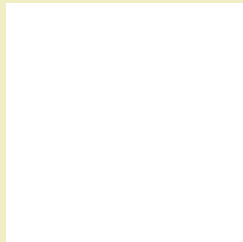
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5310, 0.3393, 0.3717

Background



This preview shows how black text looks on a background with the Yxy color 83.5310, 0.3393, 0.3717.



This preview shows how white text looks on a background with the Yxy color 83.5310, 0.3393, 0.3717.

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

83.5310, 0.3393, 0.3717

Protanopia

83.5419, 0.3477, 0.3689

Deuteranopia

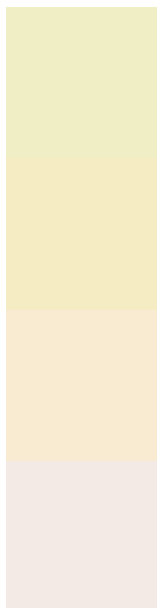
83.4216, 0.3386, 0.3431



Tritanopia

83.5842, 0.3115, 0.3112

Trichromacy



Original Color

83.5310, 0.3393, 0.3717

Protanomaly

83.3889, 0.3446, 0.3702

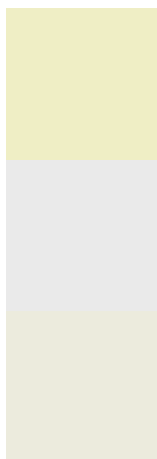
Deuteranomaly

83.6385, 0.3386, 0.3534

Tritanomaly

83.6135, 0.3213, 0.3331

Monochromacy



Original Color

83.5310, 0.3393, 0.3717

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4700, 0.3222, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5310, 0.3393, 0.3717 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(239, 238, 197)` looks like.

```
.text, #text, p{  
    color:rgb(239, 238, 197)  
}
```

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(239, 238, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 238, 197) }
```

Border

The CSS property to change the border of an element to Yxy 83.5310, 0.3393, 0.3717 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(239, 238, 197) }
```

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

```
.border{ border-color:rgb(239, 238, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 238, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 238, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 238, 197); box-shadow:4px 4px 4px 4px rgb(239, 238, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5310, 0.3393, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 238, 197) }
```

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

```
.background{ background-color: rgb(239,  
238, 197) }
```

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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