

Converting Colors

$Y_{xy}(85.8276, 0.3373, 0.3539)$

Have a look what the booklet for
Yxy(85.8276, 0.3373, 0.3539)
contains.

Yxy(85.6965, 0.3368, 0.3532)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.6965, 0.3368, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	FAEDD5
RGB	250, 237, 213
RGB Percent	98%, 93%, 84%
CMY	0.0197, 0.0706, 0.1645
CMYK	0.00, 0.05, 0.15, 0.02
HSL	39°, 79%, 91%
HSV	39°, 15%, 98%
XYZ	81.7174, 85.6965, 75.2149
YIQ	238.1510, 15.4520, -4.7080

Conversions

Conversions Part 2

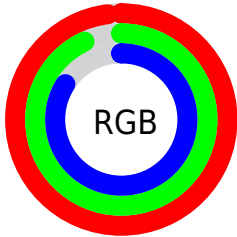
Format	Color
R_{YB}	233, 250, 213
Decimal	16444885
CIE _{Lab}	94.18, 0.52, 13.17
CIE _{LCh}	94, 13.182, 87.759
Yxy	85.6965, 0.3368, 0.3532
Android (android.graphics.Color)	4294634965 (0xFFFAEDD5)
YUV	238.1510, -12.3994, 10.3916
Hunter-Lab	92.5724, -4.4326, 16.6276

Details

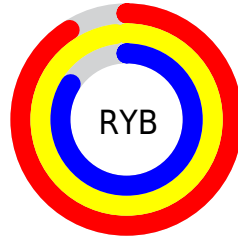
The Yxy color **85.6965, 0.3368, 0.3532** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4553, 0.2893, 0.3036**, and the grayscale version is **85.7145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8538, 0.3422, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **79.5670, 0.3552, 0.3704**, and if you desaturate by 10%, it is **92.2781, 0.3201, 0.3366**.

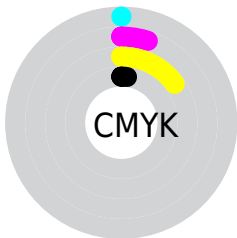
Distribution



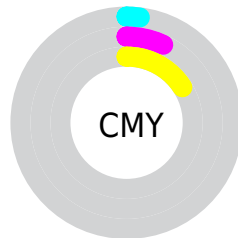
- Red (98%)
- Green (93%)
- Blue (84%)



- Red (91%)
- Yellow (98%)
- Blue (84%)



- Cyan (0%)
- Magenta (5%)
- Yellow (15%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6965, 0.3368, 0.3532 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 85.6965, 0.3368, 0.3532 by changing the saturation by 10% instead.


 85.6965, 0.3368,
0.3532

 85.6965, 0.3368,
0.3532

513.9299, 0.3260,
0.3423

 64.4170, 0.3392,
0.3556


141.3459, 0.3331,
0.3495

 46.9885, 0.3421,
0.3585


176.4846, 0.3316,
0.3480

 33.0266, 0.3458,
0.3622


217.0118, 0.3304,
0.3468

 22.1468, 0.3505,
0.3669

263.3120, 0.3293,
0.3457

 13.9648, 0.3567,
0.3730

315.7695, 0.3283,
0.3447

 8.0962, 0.3653,
0.3816

374.7687, 0.3274,

 4.1566, 0.3779,

0.3438

0.3941

440.6941, 0.3267,
0.3430

■ 1.7615, 0.3992,
0.4150

■ 0.4630, 0.4943,
0.5057

■ 85.6965, 0.3368,
0.3532

■ 85.6965, 0.3368,
0.3532

■ 79.5670, 0.3552,
0.3704

■ 92.2781, 0.3201,
0.3366

■ 73.8658, 0.3752,
0.3877

■ 98.7834, 0.3096,
0.3286

■ 68.5834, 0.3964,
0.4045

■ 99.0600, 0.3096,
0.3290

■ 63.7058, 0.4183,
0.4197

■ 59.2176, 0.4400,
0.4323

■ 55.1017, 0.4604,
0.4410

■ 51.3392, 0.4785,
0.4449

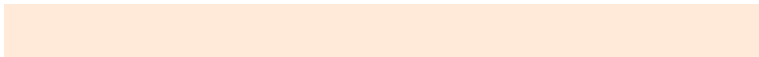
■ 47.9071, 0.4932,
0.4436

■ 46.2295, 0.4999,
0.4413

Harmonies

Analogous

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



85.6965, 0.3423, 0.3447



85.6965, 0.3368, 0.3532



85.6965, 0.3248, 0.3553

Triad

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



85.6965, 0.3368, 0.3532



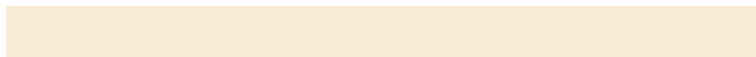
85.6965, 0.2864, 0.3247



85.6965, 0.3152, 0.3093

Complementary

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



85.6965, 0.3368, 0.3532



75.4553, 0.2893, 0.3036

Split Complementary

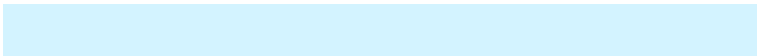
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6965, 0.3003, 0.3040



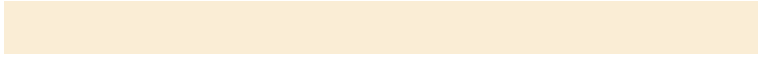
85.6965, 0.3368, 0.3532



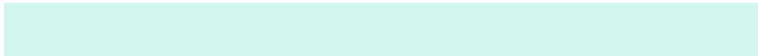
85.6965, 0.2839, 0.3124

Square

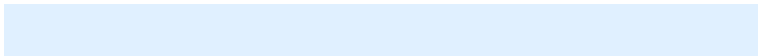
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6965, 0.3368, 0.3532



85.6965, 0.2958, 0.3386



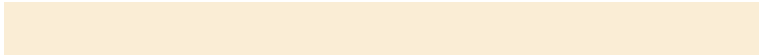
85.6965, 0.2889, 0.3050



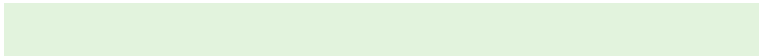
85.6965, 0.3297, 0.3195

Rectangle

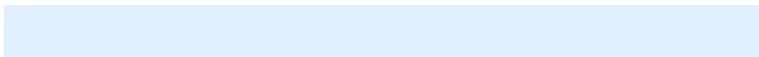
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6965, 0.3368, 0.3532



85.6965, 0.3148, 0.3525



85.6965, 0.2889, 0.3050



85.6965, 0.3100, 0.3069

Sweetspot

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



85.7003, 0.3368, 0.3532



97.0963, 0.3189, 0.3354



73.4555, 0.3306, 0.3153



20.6675, 0.3201, 0.3366



0.0000, 0.0000, 0.0000



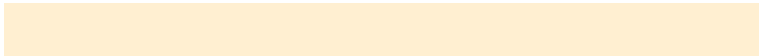
21.4041, 0.3127, 0.3290

Same Dimension

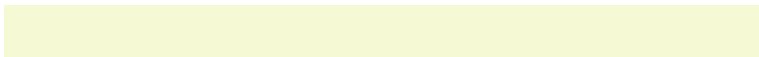
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7003, 0.3368, 0.3532



87.5321, 0.3426, 0.3587



92.5865, 0.3316, 0.3661



19.1048, 0.3278, 0.3443



24.8067, 0.4982, 0.4426



2.4965, 0.4863, 0.4520

Inverse Universe

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



75.4553, 0.2893, 0.3036



74.7585, 0.2838, 0.2974



69.4139, 0.2921, 0.2898



17.6400, 0.2979, 0.3132



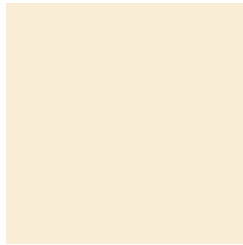
7.5885, 0.1645, 0.1123



0.8936, 0.1711, 0.1359

Previews

White Background



This preview shows how the Yxy color 85.6965, 0.3368, 0.3532 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 85.6965, 0.3368, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

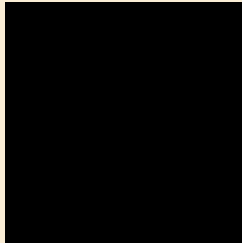
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

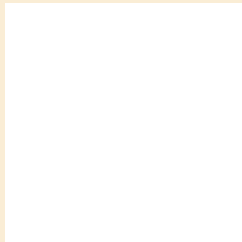
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6965, 0.3368, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 85.6965, 0.3368, 0.3532.

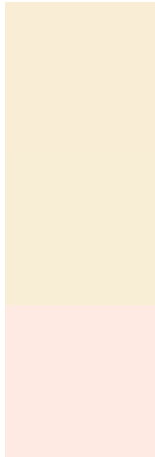


This preview shows how white text looks on a background with the Yxy color 85.6965, 0.3368, 0.3532.

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

85.6965, 0.3368, 0.3532

Protanopia

85.9096, 0.3353, 0.3543

Deuteranopia

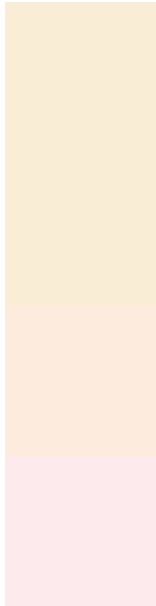
85.6517, 0.3316, 0.3360



Tritanopia

85.8754, 0.3169, 0.3115

Trichromacy



Original Color

85.6965, 0.3368, 0.3532

Protanomaly

86.0929, 0.3360, 0.3543

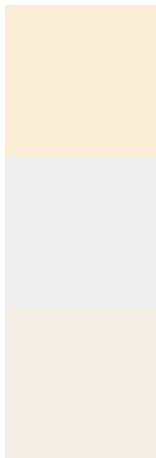
Deuteranomaly

85.5732, 0.3333, 0.3420

Tritanomaly

85.8427, 0.3237, 0.3261

Monochromacy



Original Color

85.6965, 0.3368, 0.3532

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.6835, 0.3210, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6965, 0.3368, 0.3532 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(250, 237, 213)` looks like.

```
.text, #text, p{  
    color:rgb(250, 237, 213)  
}
```

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(250, 237, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 237, 213) }
```

Border

The CSS property to change the border of an element to Yxy 85.6965, 0.3368, 0.3532 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(250, 237, 213) }
```

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

```
.border{ border-color:rgb(250, 237, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 237, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 237, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 237, 213);  
box-shadow:4px 4px 4px 4px rgb(250, 237,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6965, 0.3368, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 237, 213) }
```

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

```
.background{ background-color: rgb(250,  
237, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor