

Converting Colors

$Y_{xy}(84.0270, 0.3275, 0.3481)$

Have a look what the booklet for
Yxy(84.0270, 0.3275, 0.3481)
contains.

Yxy(83.7536, 0.3275, 0.3475)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.7536, 0.3275, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	F1ECDA
RGB	241, 236, 218
RGB Percent	95%, 93%, 85%
CMY	0.0548, 0.0745, 0.1451
CMYK	0.00, 0.02, 0.10, 0.05
HSL	47°, 45%, 90%
HSV	47°, 10%, 95%
XYZ	78.9332, 83.7536, 78.3307
YIQ	235.4430, 8.7580, -4.5380

Conversions

Conversions Part 2

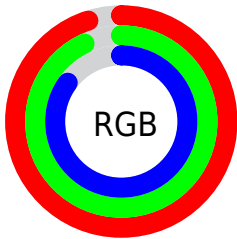
Format	Color
RYB	224, 241, 218
Decimal	15854810
CIELab	93.34, -1.33, 9.32
CIELCh	93, 9.411, 98.125
Yxy	83.7536, 0.3275, 0.3475
Android (android.graphics.Color)	4294044890 (0xFFFF1ECDA)
YUV	235.4430, -8.5994, 4.8735
Hunter-Lab	91.5170, -6.1988, 13.3147

Details

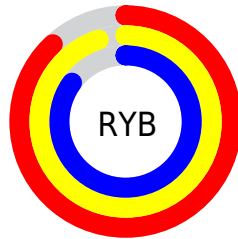
The Yxy color **83.7536, 0.3275, 0.3475** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.0492, 0.2978, 0.3098**, and the grayscale version is **83.4998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6011, 0.3310, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **79.5963, 0.3441, 0.3676**, and if you desaturate by 10%, it is **88.1912, 0.3121, 0.3282**.

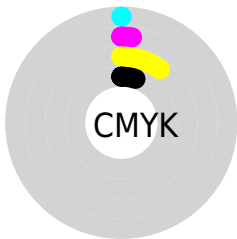
Distribution



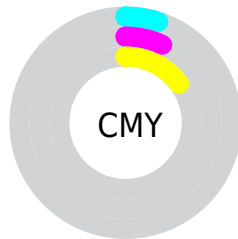
- Red (95%)
- Green (93%)
- Blue (85%)



- Red (88%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7536, 0.3275, 0.3475 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 83.7536, 0.3275, 0.3475 by changing the saturation by 10% instead.

83.7536, 0.3275,
0.3475

83.7536, 0.3275,
0.3475

507.4946, 0.3208,
0.3391

62.8120, 0.3290,
0.3494

138.6304, 0.3252,
0.3446

45.6892, 0.3308,
0.3517

173.3345, 0.3243,
0.3435

32.0006, 0.3331,
0.3545

213.3949, 0.3236,
0.3425

21.3620, 0.3360,
0.3582

259.1959, 0.3229,
0.3417

13.3888, 0.3398,
0.3632

311.1220, 0.3223,
0.3409

7.6968, 0.3453,
0.3701

369.5575, 0.3217,

3.9016, 0.3533,

0.3403

434.8870, 0.3213,
0.3397

0.3806

■ 1.6187, 0.3666,
0.3981

■ 0.3701, 0.4632,
0.5368

■ 83.7536, 0.3275,
0.3475

■ 83.7536, 0.3275,
0.3475

■ 79.5963, 0.3441,
0.3676

■ 88.1912, 0.3121,
0.3282

■ 75.6998, 0.3617,
0.3880

■ 92.1637, 0.3043,
0.3207

■ 72.0584, 0.3799,
0.4081

■ 95.4239, 0.3042,
0.3259

■ 68.6622, 0.3982,
0.4268

■ 97.4465, 0.3042,
0.3290

■ 65.5003, 0.4157,
0.4433

■ 62.5609, 0.4318,
0.4564

■ 59.8303, 0.4456,
0.4653

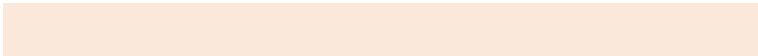
■ 57.2925, 0.4565,
0.4694

■ 54.9224, 0.4646,
0.4691

Harmonies

Analogous

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



83.7536, 0.3333, 0.3429



83.7536, 0.3275, 0.3475



83.7536, 0.3178, 0.3471

Triad

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



83.7536, 0.3275, 0.3475



83.7536, 0.2925, 0.3227



83.7536, 0.3183, 0.3170

Complementary

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



83.7536, 0.3275, 0.3475



74.0492, 0.2978, 0.3098

Split Complementary

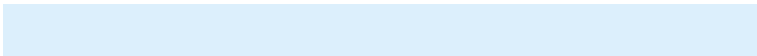
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7536, 0.3073, 0.3117



83.7536, 0.3275, 0.3475



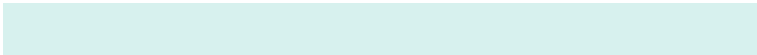
83.7536, 0.2926, 0.3148

Square

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



83.7536, 0.3275, 0.3475



83.7536, 0.2977, 0.3325



83.7536, 0.2980, 0.3109



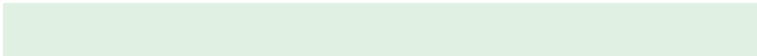
83.7536, 0.3279, 0.3253

Rectangle

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



83.7536, 0.3275, 0.3475



83.7536, 0.3105, 0.3439



83.7536, 0.2980, 0.3109



83.7536, 0.3147, 0.3148

Sweetspot

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



83.7573, 0.3275, 0.3475



98.4547, 0.3172, 0.3347



74.1943, 0.3258, 0.3235



20.9860, 0.3185, 0.3363



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.



83.7573, 0.3275, 0.3475



94.4733, 0.3299, 0.3504



85.6350, 0.3228, 0.3528



17.8385, 0.3274, 0.3473



29.9261, 0.4641, 0.4697



2.6329, 0.4570, 0.4754

Inverse Universe

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



74.0492, 0.2978, 0.3098



81.8668, 0.2954, 0.3066



72.3623, 0.3020, 0.3046



15.7889, 0.2980, 0.3100



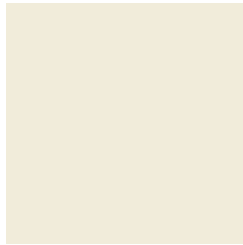
4.9706, 0.1564, 0.0829



0.5559, 0.1629, 0.1064

Previews

White Background



This preview shows how the Yxy color 83.7536, 0.3275, 0.3475 looks on a white background.

Color Contrast Check

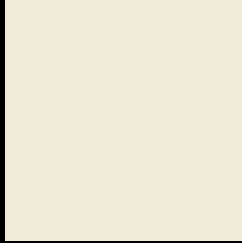
Large Text (above 18pt) WCAG AA × Fail

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 83.7536, 0.3275, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

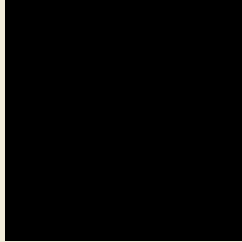
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

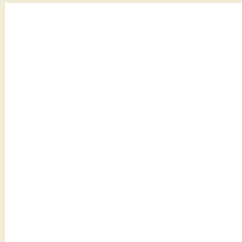
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7536, 0.3275, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 83.7536, 0.3275, 0.3475.

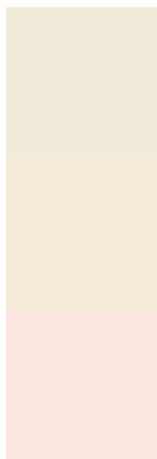


This preview shows how white text looks on a background with the Yxy color 83.7536, 0.3275, 0.3475.

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

83.7536, 0.3275, 0.3475

Protanopia

83.6595, 0.3303, 0.3474

Deuteranopia

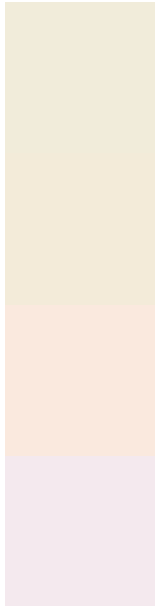
83.8481, 0.3333, 0.3350



Tritanopia

83.6468, 0.3109, 0.3102

Trichromacy



Original Color

83.7536, 0.3275, 0.3475

Protanomaly

83.4811, 0.3296, 0.3475

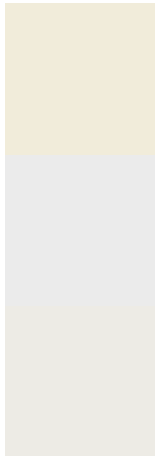
Deuteranomaly

83.8757, 0.3315, 0.3401

Tritanomaly

83.6840, 0.3170, 0.3240

Monochromacy



Original Color

83.7536, 0.3275, 0.3475

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.0783, 0.3178, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7536, 0.3275, 0.3475 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(241, 236, 218)` looks like.

```
.text, #text, p{  
    color:rgb(241, 236, 218)  
}
```

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(241, 236, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 236, 218) }
```

Border

The CSS property to change the border of an element to Yxy 83.7536, 0.3275, 0.3475 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(241, 236, 218) }
```

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

```
.border{ border-color:rgb(241, 236, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 236, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 236, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 236, 218);  
box-shadow:4px 4px 4px 4px rgb(241, 236,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7536, 0.3275, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 236, 218) }
```

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

```
.background{ background-color: rgb(241,  
236, 218) }
```

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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