

Converting Colors

Yxy(83.6306, 0.3261, 0.3465)

Have a look what the booklet for
Yxy(83.6306, 0.3261, 0.3465)
contains.

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Color

Yxy(83.6306, 0.3261, 0.3465)

Conversions

Conversions Part 1

Format	Color
Hex	F0ECDB
RGB	240, 236, 219
RGB Percent	94%, 93%, 86%
CMY	0.0590, 0.0744, 0.1411
CMYK	0.00, 0.02, 0.09, 0.06
HSL	49°, 41%, 90%
HSV	49°, 9%, 94%
XYZ	78.7069, 83.6306, 79.0207
YIQ	235.2580, 7.8410, -4.4390

Conversions

Conversions Part 2

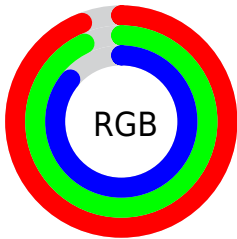
Format	Color
R _Y B	224, 240, 219
Decimal	15789275
CIE Lab	93.29, -1.55, 8.70
CIE LCh	93, 8.836, 100.095
Yxy	83.6306, 0.3261, 0.3465
Android (android.graphics.Color)	4293979355 (0xFFF0ECDB)
YUV	235.2580, -8.0152, 4.1587
Hunter-Lab	91.4498, -6.4098, 12.7831

Details

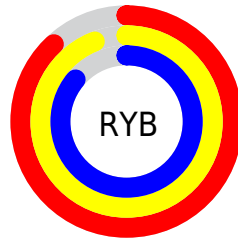
The Yxy color **83.6306, 0.3261, 0.3465** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.1012, 0.2992, 0.3109**, and the grayscale version is **83.3409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5132, 0.3293, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **79.8939, 0.3425, 0.3673**, and if you desaturate by 10%, it is **87.6225, 0.3108, 0.3265**.

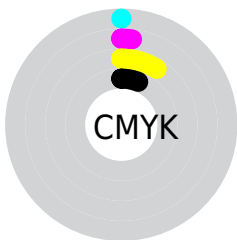
Distribution



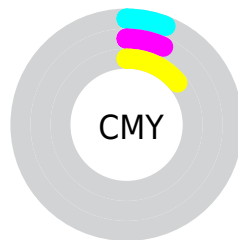
- Red (94%)
- Green (93%)
- Blue (86%)



- Red (88%)
- Yellow (94%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6306, 0.3261, 0.3465 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 83.6306, 0.3261, 0.3465 by changing the saturation by 10% instead.

83.6306, 0.3261,
0.3465

83.6306, 0.3261,
0.3465

507.0857, 0.3201,
0.3386

62.7105, 0.3274,
0.3483

138.4583, 0.3240,
0.3438

45.6070, 0.3291,
0.3504

173.1347, 0.3232,
0.3427

31.9358, 0.3311,
0.3532

213.1654, 0.3225,
0.3418

21.3125, 0.3338,
0.3567

258.9346, 0.3219,
0.3410

13.3526, 0.3373,
0.3614

310.8269, 0.3214,
0.3403

7.6718, 0.3422,
0.3680

369.2266, 0.3209,

3.8857, 0.3495,

0.3396

0.3780

434.5181, 0.3205,
0.3391

■ 1.6098, 0.3615,
0.3947

■ 0.3642, 0.4585,
0.5415

■ 83.6306, 0.3261,
0.3465

■ 83.6306, 0.3261,
0.3465

■ 79.8939, 0.3425,
0.3673

■ 87.6225, 0.3108,
0.3265

■ 76.3931, 0.3597,
0.3884

■ 91.0687, 0.3036,
0.3192

■ 73.1232, 0.3773,
0.4091

■ 93.8332, 0.3036,
0.3236

■ 70.0746, 0.3948,
0.4286

■ 96.6648, 0.3035,
0.3281

■ 67.2370, 0.4116,
0.4458

■ 97.2577, 0.3035,
0.3290

■ 64.5990, 0.4267,
0.4596

■ 62.1475, 0.4396,
0.4693

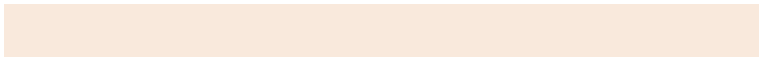
■ 59.8673, 0.4496,
0.4743

■ 57.7362, 0.4568,
0.4749

Harmonies

Analogous

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



83.6306, 0.3318, 0.3425



83.6306, 0.3261, 0.3465



83.6306, 0.3169, 0.3458

Triad

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



83.6306, 0.3261, 0.3465



83.6306, 0.2935, 0.3225



83.6306, 0.3186, 0.3181

Complementary

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



83.6306, 0.3261, 0.3465



74.1012, 0.2992, 0.3109

Split Complementary

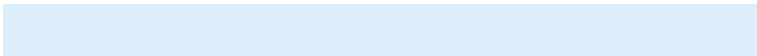
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6306, 0.3083, 0.3129



83.6306, 0.3261, 0.3465



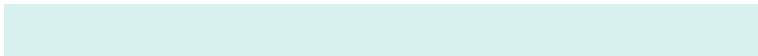
83.6306, 0.2940, 0.3153

Square

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



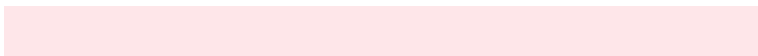
83.6306, 0.3261, 0.3465



83.6306, 0.2981, 0.3317



83.6306, 0.2993, 0.3119



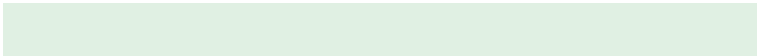
83.6306, 0.3275, 0.3261

Rectangle

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



83.6306, 0.3261, 0.3465



83.6306, 0.3100, 0.3426



83.6306, 0.2993, 0.3119



83.6306, 0.3152, 0.3160

Sweetspot

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



83.6343, 0.3261, 0.3465



98.6026, 0.3172, 0.3350



74.5269, 0.3250, 0.3247



21.0260, 0.3185, 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.



83.6343, 0.3261, 0.3465



95.4435, 0.3282, 0.3492



84.8471, 0.3214, 0.3507



17.9241, 0.3273, 0.3480



31.6588, 0.4569, 0.4754



2.7626, 0.4511, 0.4800

Inverse Universe

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



74.1012, 0.2992, 0.3109



82.9744, 0.2971, 0.3080



73.0146, 0.3035, 0.3069



15.7096, 0.2980, 0.3092



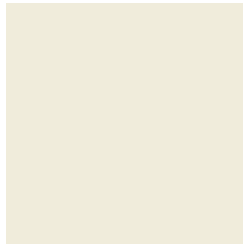
4.6184, 0.1550, 0.0778



0.5157, 0.1611, 0.1000

Previews

White Background



This preview shows how the Yxy color 83.6306, 0.3261, 0.3465 looks on a white background.

Color Contrast Check

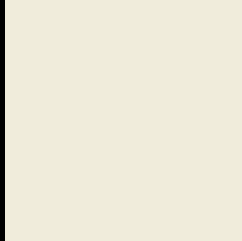
Large Text (above 18pt) WCAG AA × Fail

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 83.6306, 0.3261, 0.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

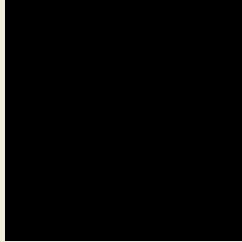
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

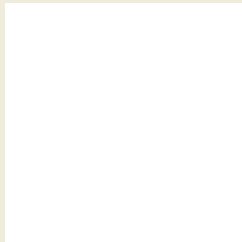
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6306, 0.3261, 0.3465

Background



This preview shows how black text looks on a background with the Yxy color 83.6306, 0.3261, 0.3465.

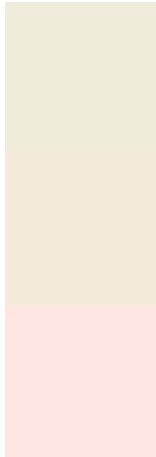


This preview shows how white text looks on a background with the Yxy color 83.6306, 0.3261, 0.3465.

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

83.6306, 0.3261, 0.3465

Protanopia

83.7117, 0.3297, 0.3464

Deuteranopia

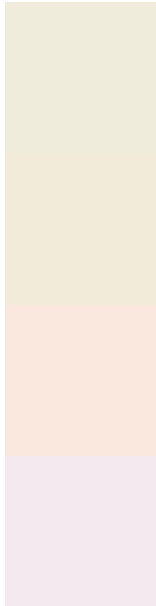
83.3446, 0.3327, 0.3330



Tritanopia

83.2871, 0.3096, 0.3101

Trichromacy



Original Color

83.6306, 0.3261, 0.3465

Protanomaly

83.5333, 0.3290, 0.3464

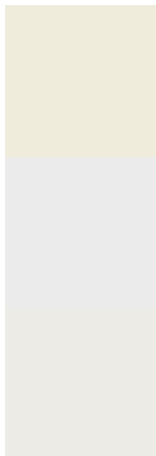
Deuteranomaly

83.3649, 0.3309, 0.3381

Tritanomaly

83.5645, 0.3157, 0.3230

Monochromacy



Original Color

83.6306, 0.3261, 0.3465

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 83.6306, 0.3261, 0.3465 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, 236, 219)` looks like.

```
.text, #text, p{  
    color:rgb(240, 236, 219)  
}
```

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, 236, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 236, 219) }
```

Border

The CSS property to change the border of an element to Yxy 83.6306, 0.3261, 0.3465 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, 236, 219) }
```

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

```
.border{ border-color:rgb(240, 236, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 236, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 236, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 236, 219);  
box-shadow:4px 4px 4px 4px rgb(240, 236,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6306, 0.3261, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 236, 219) }
```

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

```
.background{ background-color: rgb(240,  
236, 219) }
```

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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