

Converting Colors

Yxy(83.8148, 0.3202, 0.3470)

Have a look what the booklet for
Yxy(83.8148, 0.3202, 0.3470)
contains.

Yxy(83.6932, 0.3199, 0.3467)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.6932, 0.3199, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	E9EEDD
RGB	233, 238, 221
RGB Percent	91%, 93%, 87%
CMY	0.0864, 0.0666, 0.1334
CMYK	0.02, 0.00, 0.07, 0.07
HSL	78°, 33%, 90%
HSV	78°, 7%, 93%
XYZ	77.2237, 83.6932, 80.4826
YIQ	234.5670, 2.4770, -6.3470

Conversions

Conversions Part 2

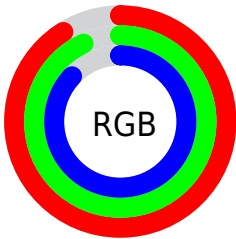
Format	Color
R _Y B	221, 238, 226
Decimal	15331037
CIE Lab	93.32, -4.63, 7.64
CIE LCh	93, 8.940, 121.225
Yxy	83.6932, 0.3199, 0.3467
Android (android.graphics.Color)	4293521117 (0xFFE9EEDD)
YUV	234.5670, -6.6885, -1.3743
Hunter-Lab	91.4840, -9.4211, 11.8787

Details

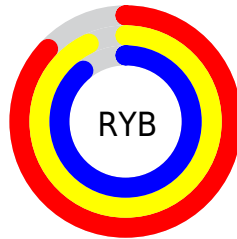
The Yxy color **83.6932, 0.3199, 0.3467** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0537, 0.3052, 0.3111**, and the grayscale version is **82.7816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5562, 0.3212, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **81.3562, 0.3300, 0.3728**, and if you desaturate by 10%, it is **86.2645, 0.3099, 0.3222**.

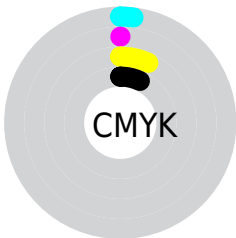
Distribution



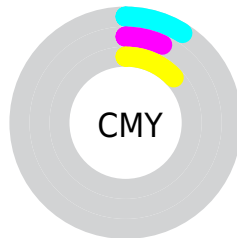
- Red (91%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6932, 0.3199, 0.3467 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 83.6932, 0.3199, 0.3467 by changing the saturation by 10% instead.

83.6932, 0.3199,
0.3467

83.6932, 0.3199,
0.3467

507.2939, 0.3167,
0.3386

62.7622, 0.3206,
0.3485

138.5459, 0.3188,
0.3439

45.6488, 0.3215,
0.3507

173.2364, 0.3184,
0.3428

31.9688, 0.3225,
0.3535

213.2822, 0.3180,
0.3419

21.3377, 0.3239,
0.3572

259.0676, 0.3177,
0.3411

13.3710, 0.3257,
0.3620

310.9771, 0.3174,
0.3404

7.6845, 0.3282,
0.3689

369.3950, 0.3171,

3.8938, 0.3319,

0.3397

0.3795

434.7058, 0.3169,
0.3392

■ 1.6143, 0.3378,
0.3975

■ 0.3672, 0.3911,
0.6089

■ 83.6932, 0.3199,
0.3467

■ 83.6932, 0.3199,
0.3467

■ 81.3562, 0.3300,
0.3728

■ 86.2645, 0.3099,
0.3222

■ 79.2346, 0.3400,
0.4001

■ 88.1603, 0.3083,
0.3124

■ 77.3234, 0.3494,
0.4278

■ 89.4641, 0.3129,
0.3126

■ 75.6133, 0.3578,
0.4549

■ 89.6365, 0.3135,
0.3127

■ 74.0942, 0.3645,
0.4805

■ 72.7551, 0.3692,
0.5031

■ 71.5833, 0.3714,
0.5217

■ 70.5643, 0.3710,
0.5356

■ 69.6792, 0.3682,
0.5445

Harmonies

Analogous

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



83.6932, 0.3284, 0.3460



83.6932, 0.3199, 0.3467



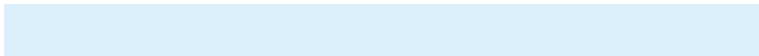
83.6932, 0.3096, 0.3425

Triad

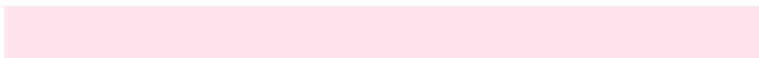
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6932, 0.3199, 0.3467



83.6932, 0.2931, 0.3170



83.6932, 0.3253, 0.3235

Complementary

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



83.6932, 0.3199, 0.3467



74.0537, 0.3052, 0.3111

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.



83.6932, 0.3157, 0.3161



83.6932, 0.3199, 0.3467



83.6932, 0.2971, 0.3122

Square

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



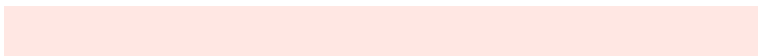
83.6932, 0.3199, 0.3467



83.6932, 0.2942, 0.3251



83.6932, 0.3053, 0.3120



83.6932, 0.3316, 0.3325

Rectangle

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



83.6932, 0.3199, 0.3467



83.6932, 0.3030, 0.3375



83.6932, 0.3053, 0.3120



83.6932, 0.3223, 0.3208

Sweetspot

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



83.6968, 0.3199, 0.3467



99.3910, 0.3147, 0.3339



77.6904, 0.3245, 0.3341



21.2802, 0.3146, 0.3336



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.



83.6968, 0.3199, 0.3467



97.3449, 0.3218, 0.3515



82.3323, 0.3143, 0.3470



18.2108, 0.3223, 0.3527



38.8077, 0.3680, 0.5460



3.2795, 0.3750, 0.5405

Inverse Universe

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



74.0537, 0.3052, 0.3111



83.2833, 0.3031, 0.3061



75.4288, 0.3110, 0.3114



15.4551, 0.3026, 0.3049



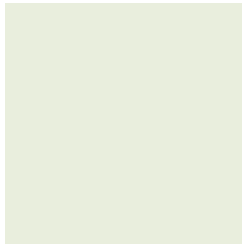
4.2358, 0.1697, 0.0708



0.4019, 0.1835, 0.0784

Previews

White Background



This preview shows how the Yxy color 83.6932, 0.3199, 0.3467 looks on a white background.

Color Contrast Check

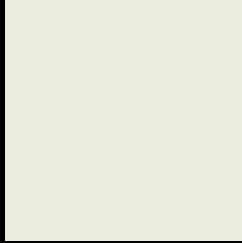
Large Text (above 18pt) WCAG AA × Fail

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 83.6932, 0.3199, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

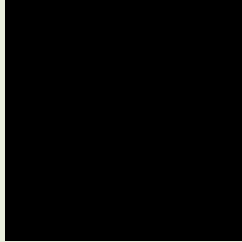
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

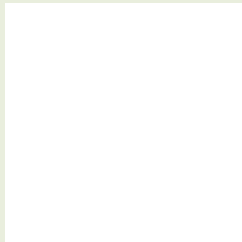
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6932, 0.3199, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 83.6932, 0.3199, 0.3467.

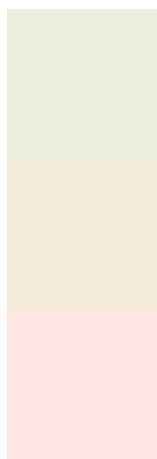


This preview shows how white text looks on a background with the Yxy color 83.6932, 0.3199, 0.3467.

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

83.6932, 0.3199, 0.3467

Protanopia

83.7642, 0.3290, 0.3454

Deuteranopia

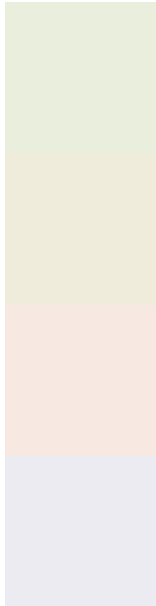
83.3997, 0.3320, 0.3320



Tritanopia

83.4832, 0.3043, 0.3100

Trichromacy



Original Color

83.6932, 0.3199, 0.3467

Protanomaly

83.6835, 0.3255, 0.3455

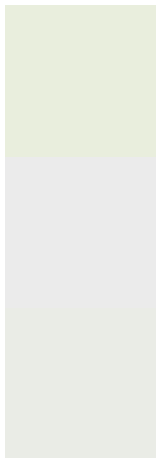
Deuteranomaly

83.4882, 0.3274, 0.3371

Tritanomaly

83.6004, 0.3097, 0.3229

Monochromacy



Original Color

83.6932, 0.3199, 0.3467

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1965, 0.3151, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6932, 0.3199, 0.3467 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(233, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(233, 238, 221)  
}
```

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(233, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 83.6932, 0.3199, 0.3467 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(233, 238, 221) }
```

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

```
.border{ border-color:rgb(233, 238, 221) }
```

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

Here you see how a box with a 4 pixel rgb(233, 238, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(233, 238,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6932, 0.3199, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 238, 221) }
```

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

```
.background{ background-color: rgb(233,  
238, 221) }
```

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