

Converting Colors

Yxy(83.2494, 0.3216, 0.3498)

Have a look what the booklet for
Yxy(83.2494, 0.3216, 0.3498)
contains.

Yxy(83.3668, 0.3211, 0.3499)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.3668, 0.3211, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	E8EEDA
RGB	232, 238, 218
RGB Percent	91%, 93%, 85%
CMY	0.0902, 0.0666, 0.1451
CMYK	0.03, 0.00, 0.08, 0.07
HSL	78°, 37%, 89%
HSV	78°, 8%, 93%
XYZ	76.5049, 83.3668, 78.3872
YIQ	233.9260, 2.8440, -7.4920

Conversions

Conversions Part 2

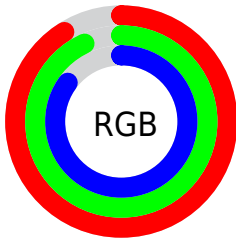
Format	Color
RYB	218, 238, 224
Decimal	15265498
CIELab	93.17, -5.47, 8.98
CIELCh	93, 10.519, 121.354
Yxy	83.3668, 0.3211, 0.3499
Android (android.graphics.Color)	4293455578 (0xFFE8EEDA)
YUV	233.9260, -7.8515, -1.6891
Hunter-Lab	91.3054, -10.2191, 13.0124

Details

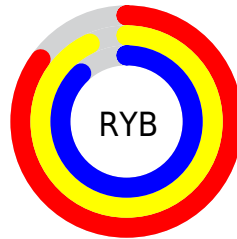
The Yxy color **83.3668, 0.3211, 0.3499** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.1665, 0.3039, 0.3078**, and the grayscale version is **82.2803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3303, 0.3227, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **81.0384, 0.3312, 0.3762**, and if you desaturate by 10%, it is **85.9302, 0.3111, 0.3252**.

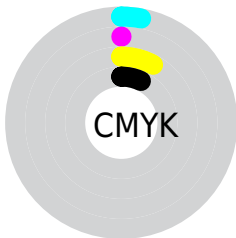
Distribution



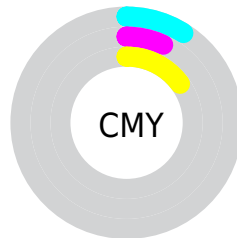
- Red (91%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (88%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3668, 0.3211, 0.3499 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 83.3668, 0.3211, 0.3499 by changing the saturation by 10% instead.

83.3668, 0.3211,
0.3499

83.3668, 0.3211,
0.3499

506.2082, 0.3174,
0.3404

62.4928, 0.3219,
0.3520

138.0891, 0.3198,
0.3466

45.4310, 0.3229,
0.3547

172.7061, 0.3193,
0.3453

31.7970, 0.3242,
0.3580

212.6730, 0.3189,
0.3442

21.2065, 0.3258,
0.3623

258.3740, 0.3185,
0.3433

13.2751, 0.3279,
0.3681

310.1937, 0.3182,
0.3424

7.6182, 0.3307,
0.3764

368.5163, 0.3179,

3.8516, 0.3349,

0.3416

0.3890

433.7264, 0.3176,
0.3410

■ 1.5909, 0.3415,
0.4106

■ 0.3515, 0.3632,
0.6368

■ 83.3668, 0.3211,
0.3499

■ 83.3668, 0.3211,
0.3499

■ 81.0384, 0.3312,
0.3762

■ 85.9302, 0.3111,
0.3252

■ 78.9261, 0.3410,
0.4036

■ 88.0236, 0.3078,
0.3124

■ 77.0246, 0.3502,
0.4313

■ 89.3458, 0.3125,
0.3126

■ 75.3246, 0.3583,
0.4585

■ 89.6345, 0.3135,
0.3127

■ 73.8158, 0.3647,
0.4838

■ 72.4871, 0.3690,
0.5061

■ 71.3254, 0.3708,
0.5242

■ 70.3160, 0.3700,
0.5376

■ 69.4374, 0.3669,
0.5462

Harmonies

Analogous

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



83.3668, 0.3312, 0.3490



83.3668, 0.3211, 0.3499



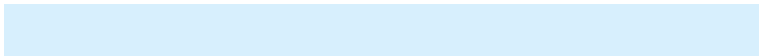
83.3668, 0.3089, 0.3449

Triad

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



83.3668, 0.3211, 0.3499



83.3668, 0.2896, 0.3147



83.3668, 0.3276, 0.3226

Complementary

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



83.3668, 0.3211, 0.3499



72.1665, 0.3039, 0.3078

Split Complementary

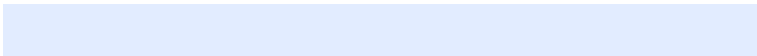
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3668, 0.3162, 0.3139



83.3668, 0.3211, 0.3499



83.3668, 0.2944, 0.3092

Square

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



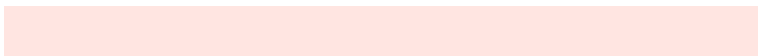
83.3668, 0.3211, 0.3499



83.3668, 0.2909, 0.3243



83.3668, 0.3041, 0.3090



83.3668, 0.3350, 0.3331

Rectangle

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



83.3668, 0.3211, 0.3499



83.3668, 0.3013, 0.3389



83.3668, 0.3041, 0.3090



83.3668, 0.3241, 0.3193

Sweetspot

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



83.3704, 0.3211, 0.3499



99.0831, 0.3157, 0.3363



76.5533, 0.3266, 0.3353



21.1563, 0.3165, 0.3383



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.



83.3704, 0.3211, 0.3499



97.0390, 0.3227, 0.3541



81.7463, 0.3144, 0.3503



18.2065, 0.3222, 0.3527



38.7323, 0.3672, 0.5467



3.2737, 0.3742, 0.5411

Inverse Universe

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



72.1665, 0.3039, 0.3078



81.5699, 0.3020, 0.3034



73.8098, 0.3109, 0.3082



15.4592, 0.3026, 0.3049



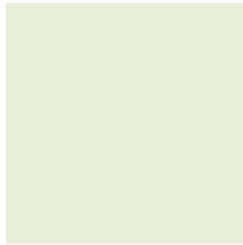
4.2629, 0.1703, 0.0712



0.4046, 0.1842, 0.0788

Previews

White Background



This preview shows how the Yxy color 83.3668, 0.3211, 0.3499 looks on a white background.

Color Contrast Check

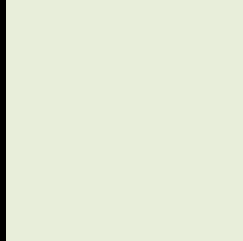
Large Text (above 18pt) WCAG AA × Fail

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 83.3668, 0.3211, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

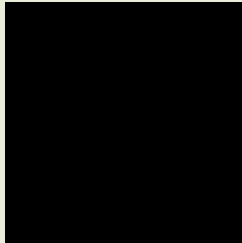
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

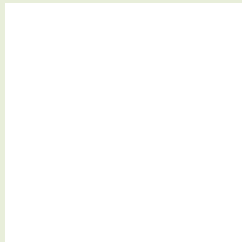
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3668, 0.3211, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 83.3668, 0.3211, 0.3499.

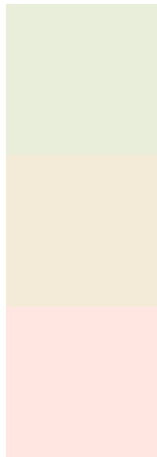


This preview shows how white text looks on a background with the Yxy color 83.3668, 0.3211, 0.3499.

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

83.3668, 0.3211, 0.3499

Protanopia

83.0366, 0.3311, 0.3475

Deuteranopia

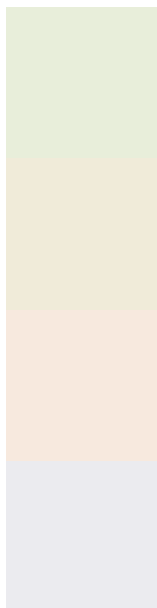
83.2899, 0.3334, 0.3340



Tritanopia

83.2474, 0.3043, 0.3109

Trichromacy



Original Color

83.3668, 0.3211, 0.3499

Protanomaly

82.9517, 0.3275, 0.3476

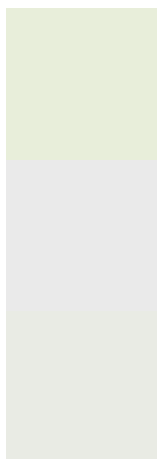
Deuteranomaly

83.3259, 0.3294, 0.3402

Tritanomaly

83.3108, 0.3102, 0.3249

Monochromacy



Original Color

83.3668, 0.3211, 0.3499

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3417, 0.3157, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3668, 0.3211, 0.3499 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(232, 238, 218)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 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(232, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 218) }
```

Border

The CSS property to change the border of an element to Yxy 83.3668, 0.3211, 0.3499 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(232, 238, 218) }
```

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

```
.border{ border-color:rgb(232, 238, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 238, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 238, 218);  
box-shadow:4px 4px 4px 4px rgb(232, 238,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3668, 0.3211, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 218) }
```

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

```
.background{ background-color: rgb(232,  
238, 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](#).

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