

Converting Colors

$Y_{xy}(82.9770, 0.3218, 0.3522)$

Have a look what the booklet for
Yxy(82.9770, 0.3218, 0.3522)
contains.

Yxy(83.0959, 0.3217, 0.3521)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.0959, 0.3217, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	E7EED8
RGB	231, 238, 216
RGB Percent	91%, 93%, 85%
CMY	0.0941, 0.0666, 0.1530
CMYK	0.03, 0.00, 0.09, 0.07
HSL	79°, 39%, 89%
HSV	79°, 9%, 93%
XYZ	75.9215, 83.0959, 76.9835
YIQ	233.3990, 2.8900, -8.3260

Conversions

Conversions Part 2

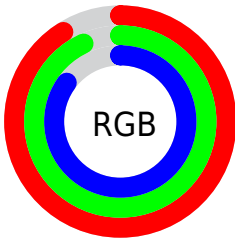
Format	Color
R _Y B	216, 238, 223
Decimal	15199960
CIE Lab	93.06, -6.15, 9.86
CIE LCh	93, 11.616, 121.959
Yxy	83.0959, 0.3217, 0.3521
Android (android.graphics.Color)	4293390040 (0xFFE7EED8)
YUV	233.3990, -8.5777, -2.1039
Hunter-Lab	91.1570, -10.8582, 13.7385

Details

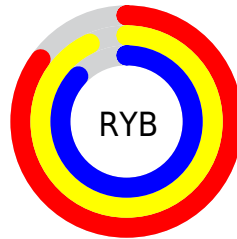
The Yxy color **83.0959, 0.3217, 0.3521** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **70.9556, 0.3032, 0.3055**, and the grayscale version is **81.8671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1431, 0.3235, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **80.7244, 0.3315, 0.3786**, and if you desaturate by 10%, it is **85.7074, 0.3120, 0.3272**.

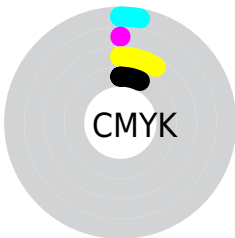
Distribution



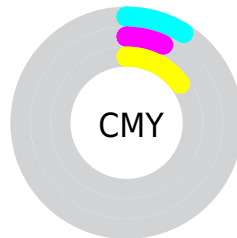
- Red (91%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (87%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0959, 0.3217, 0.3521 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 83.0959, 0.3217, 0.3521 by changing the saturation by 10% instead.

83.0959, 0.3217,
0.3521

83.0959, 0.3217,
0.3521

505.3061, 0.3177,
0.3415

62.2693, 0.3226,
0.3545

137.7098, 0.3203,
0.3485

45.2503, 0.3236,
0.3574

172.2658, 0.3198,
0.3470

31.6546, 0.3250,
0.3611

212.1671, 0.3193,
0.3458

21.0978, 0.3267,
0.3659

257.7980, 0.3189,
0.3447

13.1955, 0.3289,
0.3724

309.5430, 0.3186,
0.3438

7.5633, 0.3319,
0.3816

367.7864, 0.3182,

3.8168, 0.3363,

0.3430

0.3957

432.9126, 0.3180,
0.3422

■ 1.5716, 0.3433,
0.4201

■ 0.3384, 0.3364,
0.6636

■ 83.0959, 0.3217,
0.3521

■ 83.0959, 0.3217,
0.3521

■ 80.7244, 0.3315,
0.3786

■ 85.7074, 0.3120,
0.3272

■ 78.5737, 0.3410,
0.4062

■ 87.9912, 0.3077,
0.3124

■ 76.6385, 0.3498,
0.4341

■ 89.3886, 0.3126,
0.3126

■ 74.9094, 0.3574,
0.4614

■ 89.6337, 0.3135,
0.3127

■ 73.3758, 0.3634,
0.4868

■ 72.0263, 0.3672,
0.5092

■ 70.8477, 0.3684,
0.5273

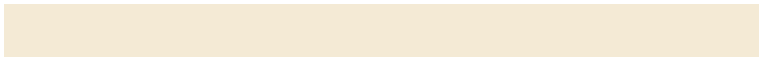
■ 69.8247, 0.3672,
0.5405

■ 68.9337, 0.3638,
0.5490

Harmonies

Analogous

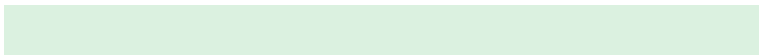
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0959, 0.3330, 0.3512



83.0959, 0.3217, 0.3521



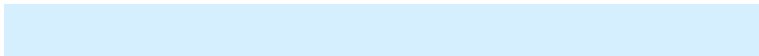
83.0959, 0.3082, 0.3465

Triad

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



83.0959, 0.3217, 0.3521



83.0959, 0.2873, 0.3130



83.0959, 0.3294, 0.3221

Complementary

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



83.0959, 0.3217, 0.3521



70.9556, 0.3032, 0.3055

Split Complementary

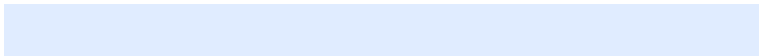
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0959, 0.3168, 0.3125



83.0959, 0.3217, 0.3521



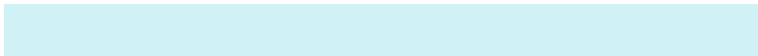
83.0959, 0.2926, 0.3071

Square

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



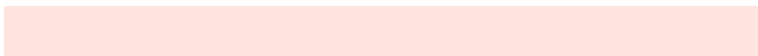
83.0959, 0.3217, 0.3521



83.0959, 0.2885, 0.3235



83.0959, 0.3034, 0.3070



83.0959, 0.3375, 0.3337

Rectangle

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



83.0959, 0.3217, 0.3521



83.0959, 0.2998, 0.3398



83.0959, 0.3034, 0.3070



83.0959, 0.3255, 0.3185

Sweetspot

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



83.0995, 0.3217, 0.3521



99.0587, 0.3156, 0.3363



75.8838, 0.3281, 0.3364



21.1497, 0.3164, 0.3383



0.0000, 0.0000, 0.0000



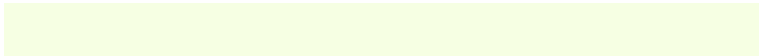
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0995, 0.3217, 0.3521



96.6710, 0.3234, 0.3567



81.3277, 0.3143, 0.3526



18.1924, 0.3219, 0.3527



38.4923, 0.3643, 0.5489



3.2552, 0.3717, 0.5431

Inverse Universe

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



70.9556, 0.3032, 0.3055



79.9411, 0.3012, 0.3007



72.7582, 0.3109, 0.3061



15.4726, 0.3029, 0.3049



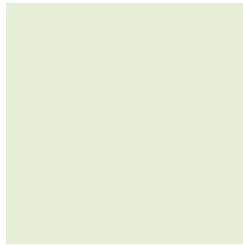
4.3546, 0.1725, 0.0724



0.4135, 0.1866, 0.0801

Previews

White Background



This preview shows how the Yxy color 83.0959, 0.3217, 0.3521 looks on a white background.

Color Contrast Check

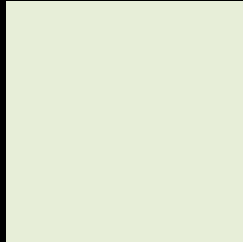
Large Text (above 18pt) WCAG AA × Fail

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 83.0959, 0.3217, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

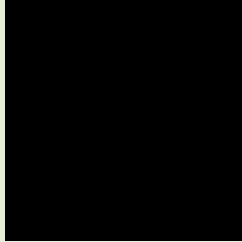
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

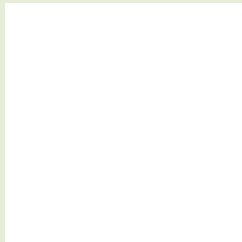
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0959, 0.3217, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 83.0959, 0.3217, 0.3521.

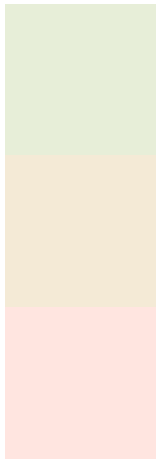


This preview shows how white text looks on a background with the Yxy color 83.0959, 0.3217, 0.3521.

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

83.0959, 0.3217, 0.3521

Protanopia

82.9338, 0.3324, 0.3495

Deuteranopia

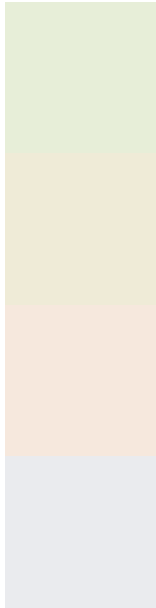
82.6804, 0.3342, 0.3340



Tritanopia

83.0757, 0.3036, 0.3109

Trichromacy



Original Color

83.0959, 0.3217, 0.3521

Protanomaly

82.6737, 0.3281, 0.3497

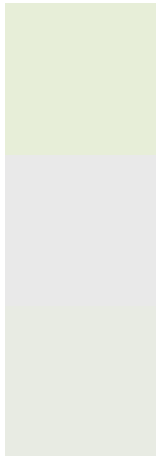
Deuteranomaly

82.5265, 0.3295, 0.3402

Tritanomaly

83.0821, 0.3102, 0.3259

Monochromacy



Original Color

83.0959, 0.3217, 0.3521

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1185, 0.3157, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0959, 0.3217, 0.3521 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(231, 238, 216)` looks like.

```
.text, #text, p{  
    color:rgb(231, 238, 216)  
}
```

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(231, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 238, 216) }
```

Border

The CSS property to change the border of an element to Yxy 83.0959, 0.3217, 0.3521 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(231, 238, 216) }
```

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

```
.border{ border-color:rgb(231, 238, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 238, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(231, 238,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0959, 0.3217, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 238, 216) }
```

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

```
.background{ background-color: rgb(231,  
238, 216) }
```

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