

Converting Colors

Yxy(83.6336, 0.3187, 0.3480)

Have a look what the booklet for
Yxy(83.6336, 0.3187, 0.3480)
contains.

Yxy(83.8892, 0.3191, 0.3488)	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(83.8892, 0.3191, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	E7EFDC
RGB	231, 239, 220
RGB Percent	91%, 94%, 86%
CMY	0.0940, 0.0627, 0.1372
CMYK	0.03, 0.00, 0.08, 0.06
HSL	85°, 37%, 90%
HSV	85°, 8%, 94%
XYZ	76.7461, 83.8892, 79.8727
YIQ	234.4420, 1.3310, -7.6050

Conversions

Conversions Part 2

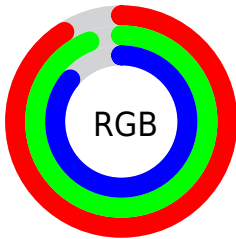
Format	Color
R _Y B	220, 239, 228
Decimal	15200220
CIE Lab	93.40, -5.97, 8.25
CIE LCh	93, 10.181, 125.872
Yxy	83.8892, 0.3191, 0.3488
Android (android.graphics.Color)	4293390300 (0xFFE7EFDC)
YUV	234.4420, -7.1199, -3.0186
Hunter-Lab	91.5910, -10.7153, 12.4094

Details

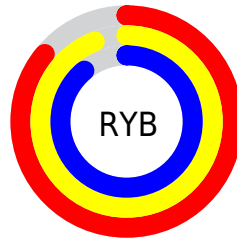
The Yxy color **83.8892, 0.3191, 0.3488** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.9255, 0.3060, 0.3091**, and the grayscale version is **82.6911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6975, 0.3201, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **81.0903, 0.3271, 0.3755**, and if you desaturate by 10%, it is **86.9725, 0.3111, 0.3241**.

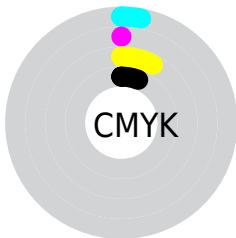
Distribution



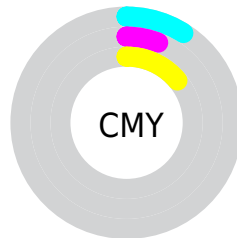
- Red (91%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8892, 0.3191, 0.3488 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 83.8892, 0.3191, 0.3488 by changing the saturation by 10% instead.

83.8892, 0.3191,
0.3488

83.8892, 0.3191,
0.3488

507.9452, 0.3163,
0.3398

62.9240, 0.3197,
0.3508

138.8202, 0.3181,
0.3457

45.7797, 0.3205,
0.3533

173.5547, 0.3178,
0.3445

32.0720, 0.3214,
0.3565

213.6478, 0.3174,
0.3434

21.4165, 0.3226,
0.3606

259.4838, 0.3171,
0.3425

13.4288, 0.3242,
0.3660

311.4472, 0.3169,
0.3417

7.7245, 0.3263,
0.3738

369.9223, 0.3167,

3.9192, 0.3294,

0.3410

435.2935, 0.3165,
0.3403

0.3858

1.6284, 0.3341,
0.4063

0.3767, 0.3605,
0.6395

83.8892, 0.3191,
0.3488

83.8892, 0.3191,
0.3488

81.0903, 0.3271,
0.3755

86.9725, 0.3111,
0.3241

78.5557, 0.3349,
0.4037

89.4843, 0.3109,
0.3135

76.2791, 0.3420,
0.4328

90.2123, 0.3134,
0.3136

74.2500, 0.3480,
0.4617

■ 72.4571, 0.3525,
0.4893

■ 70.8877, 0.3549,
0.5142

■ 69.5279, 0.3549,
0.5349

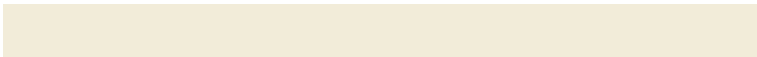
■ 68.3614, 0.3525,
0.5505

■ 67.3664, 0.3480,
0.5609

Harmonies

Analogous

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



83.8892, 0.3293, 0.3488



83.8892, 0.3191, 0.3488



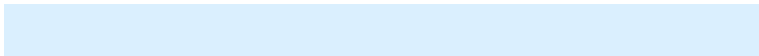
83.8892, 0.3073, 0.3432

Triad

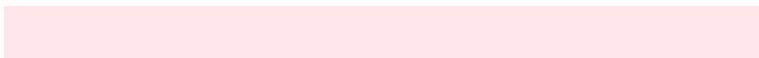
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8892, 0.3191, 0.3488



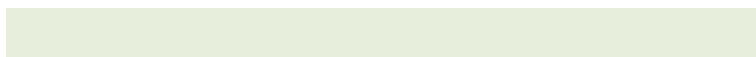
83.8892, 0.2907, 0.3141



83.8892, 0.3285, 0.3243

Complementary

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



83.8892, 0.3191, 0.3488



73.9255, 0.3060, 0.3091

Split Complementary

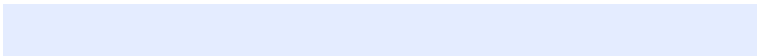
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8892, 0.3179, 0.3154



83.8892, 0.3191, 0.3488



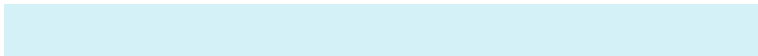
83.8892, 0.2962, 0.3095

Square

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



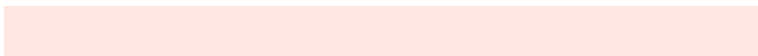
83.8892, 0.3191, 0.3488



83.8892, 0.2911, 0.3229



83.8892, 0.3060, 0.3101



83.8892, 0.3349, 0.3344

Rectangle

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



83.8892, 0.3191, 0.3488



83.8892, 0.3001, 0.3371



83.8892, 0.3060, 0.3101



83.8892, 0.3253, 0.3211

Sweetspot

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



83.8928, 0.3191, 0.3488



99.2713, 0.3143, 0.3339



78.9674, 0.3256, 0.3372



21.2558, 0.3142, 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.



83.8928, 0.3191, 0.3488



96.4874, 0.3208, 0.3542



82.3682, 0.3128, 0.3492



18.1086, 0.3203, 0.3528



37.2025, 0.3481, 0.5618



3.1533, 0.3571, 0.5546

Inverse Universe

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



73.9255, 0.3060, 0.3091



82.1004, 0.3040, 0.3036



75.5073, 0.3125, 0.3095



15.5536, 0.3045, 0.3051



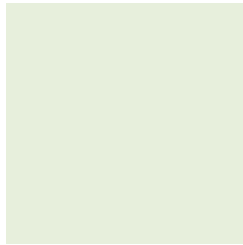
5.0309, 0.1879, 0.0809



0.4758, 0.2026, 0.0890

Previews

White Background



This preview shows how the Yxy color 83.8892, 0.3191, 0.3488 looks on a white background.

Color Contrast Check

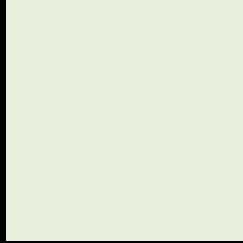
Large Text (above 18pt) WCAG AA × Fail

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 83.8892, 0.3191, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

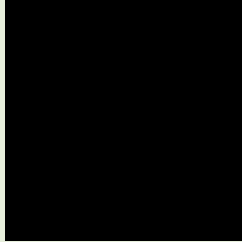
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

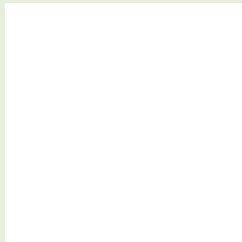
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8892, 0.3191, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 83.8892, 0.3191, 0.3488.

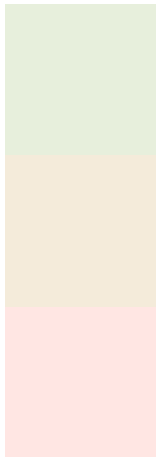


This preview shows how white text looks on a background with the Yxy color 83.8892, 0.3191, 0.3488.

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

83.8892, 0.3191, 0.3488

Protanopia

83.7117, 0.3297, 0.3464

Deuteranopia

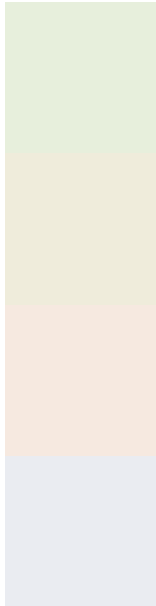
83.3997, 0.3320, 0.3320



Tritanopia

83.7704, 0.3024, 0.3099

Trichromacy



Original Color

83.8892, 0.3191, 0.3488

Protanomaly

83.4561, 0.3255, 0.3465

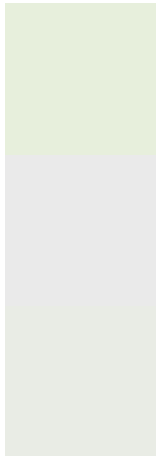
Deuteranomaly

83.2525, 0.3274, 0.3382

Tritanomaly

83.8342, 0.3083, 0.3239

Monochromacy



Original Color

83.8892, 0.3191, 0.3488

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.9717, 0.3151, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8892, 0.3191, 0.3488 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, 239, 220)` looks like.

```
.text, #text, p{  
    color:rgb(231, 239, 220)  
}
```

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, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 239, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.8892, 0.3191, 0.3488 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, 239, 220) }
```

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

```
.border{ border-color:rgb(231, 239, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 239, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 239, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 239, 220); box-shadow:4px 4px 4px 4px rgb(231, 239, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8892, 0.3191, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 239, 220) }
```

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

```
.background{ background-color: rgb(231,  
239, 220) }
```

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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