

Converting Colors

Yxy(81.1766, 0.3288, 0.3630)

Have a look what the booklet for
Yxy(81.1766, 0.3288, 0.3630)
contains.

Yxy(81.1735, 0.3288, 0.3630)	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(81.1735, 0.3288, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	E6ECCC
RGB	230, 236, 204
RGB Percent	90%, 93%, 80%
CMY	0.0981, 0.0745, 0.2000
CMYK	0.03, 0.00, 0.14, 0.07
HSL	71°, 46%, 86%
HSV	71°, 14%, 93%
XYZ	73.5257, 81.1735, 68.9192
YIQ	230.5580, 6.6960, -11.2240

Conversions

Conversions Part 2

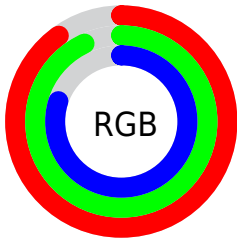
Format	Color
R_{YB}	204, 236, 210
Decimal	15133900
CIE _{Lab}	92.21, -7.43, 14.85
CIE _{LCh}	92, 16.600, 116.577
Yxy	81.1735, 0.3288, 0.3630
Android (android.graphics.Color)	4293323980 (0xFFE6ECCC)
YUV	230.5580, -13.0931, -0.4894
Hunter-Lab	90.0963, -11.9984, 17.7135

Details

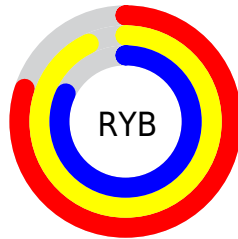
The Yxy color **81.1735, 0.3288, 0.3630** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.9469, 0.2953, 0.2935**, and the grayscale version is **79.6622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8432, 0.3319, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **79.4045, 0.3408, 0.3893**, and if you desaturate by 10%, it is **83.1399, 0.3169, 0.3377**.

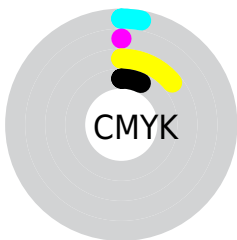
Distribution



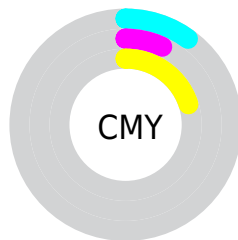
- Red (90%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (93%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)





- Cyan (10%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1735, 0.3288, 0.3630 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 81.1735, 0.3288, 0.3630 by changing the saturation by 10% instead.

 81.1735, 0.3288,
0.3630

 81.1735, 0.3288,
0.3630

498.8789, 0.3216,
0.3474

 60.6845, 0.3304,
0.3666


135.0144, 0.3264,
0.3576

 43.9706, 0.3323,
0.3709


169.1350, 0.3254,
0.3555

 30.6474, 0.3347,
0.3765


208.5683, 0.3246,
0.3537

 20.3305, 0.3377,
0.3836

253.6987, 0.3238,
0.3521

 12.6355, 0.3417,
0.3934

304.9106, 0.3232,
0.3507

 7.1780, 0.3470,
0.4072

362.5883, 0.3226,

 3.5737, 0.3546,

0.3494

0.4285

427.1163, 0.3221,
0.3483

■ 1.4381, 0.3767,
0.4789

■ 0.2445, 0.1729,
0.8271

■ 81.1735, 0.3288,
0.3630

■ 81.1735, 0.3288,
0.3630

■ 79.4045, 0.3408,
0.3893

■ 83.1399, 0.3169,
0.3377

■ 77.8144, 0.3524,
0.4159

■ 85.3003, 0.3053,
0.3138

■ 76.3984, 0.3631,
0.4419

■ 86.3233, 0.3059,
0.3103

■ 75.1472, 0.3724,
0.4663

■ 87.1233, 0.3088,
0.3104

■ 74.0508, 0.3798,
0.4880

■ 87.9424, 0.3117,
0.3106

■ 73.0980, 0.3848,
0.5059

■ 88.4755, 0.3136,
0.3107

■ 72.2756, 0.3872,
0.5193

■ 71.5678, 0.3871,
0.5280

■ 71.1572, 0.3860,
0.5317

Harmonies

Analogous

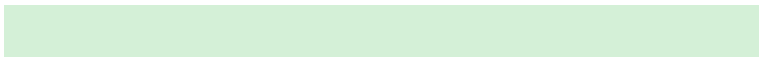
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1735, 0.3440, 0.3597



81.1735, 0.3288, 0.3630



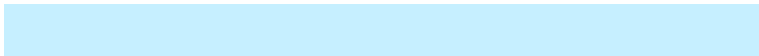
81.1735, 0.3096, 0.3565

Triad

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



81.1735, 0.3288, 0.3630



81.1735, 0.2760, 0.3081



81.1735, 0.3338, 0.3163

Complementary

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



81.1735, 0.3288, 0.3630



62.9469, 0.2953, 0.2935

Split Complementary

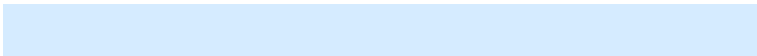
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1735, 0.3150, 0.3035



81.1735, 0.3288, 0.3630



81.1735, 0.2819, 0.2985

Square

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



81.1735, 0.3288, 0.3630



81.1735, 0.2794, 0.3240



81.1735, 0.2960, 0.2970



81.1735, 0.3471, 0.3324

Rectangle

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



81.1735, 0.3288, 0.3630



81.1735, 0.2971, 0.3475



81.1735, 0.2960, 0.2970



81.1735, 0.3279, 0.3115

Sweetspot

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



81.1771, 0.3288, 0.3630



98.9986, 0.3174, 0.3388



68.2225, 0.3368, 0.3354



21.1504, 0.3183, 0.3407



0.0000, 0.0000, 0.0000



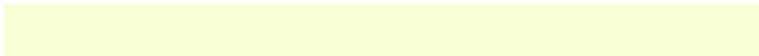
21.4041, 0.3127, 0.3290

Same Dimension

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



81.1771, 0.3288, 0.3630



96.2200, 0.3318, 0.3695



78.6719, 0.3179, 0.3642



17.4756, 0.3239, 0.3525



39.2736, 0.3865, 0.5313



3.1208, 0.3913, 0.5275

Inverse Universe

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



62.9469, 0.2953, 0.2935



70.9231, 0.2917, 0.2864



65.3911, 0.3068, 0.2948



14.6851, 0.3009, 0.3048



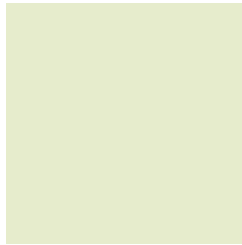
3.6787, 0.1589, 0.0649



0.3271, 0.1711, 0.0716

Previews

White Background



This preview shows how the Yxy color 81.1735, 0.3288, 0.3630 looks on a white background.

Color Contrast Check

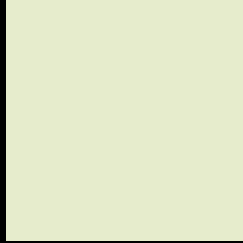
Large Text (above 18pt) WCAG AA × Fail

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 81.1735, 0.3288, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

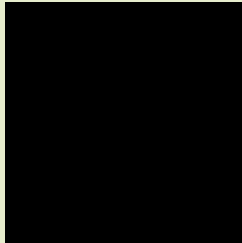
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

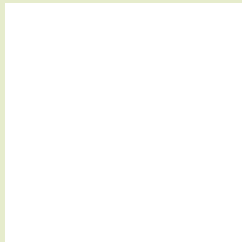
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1735, 0.3288, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 81.1735, 0.3288, 0.3630.

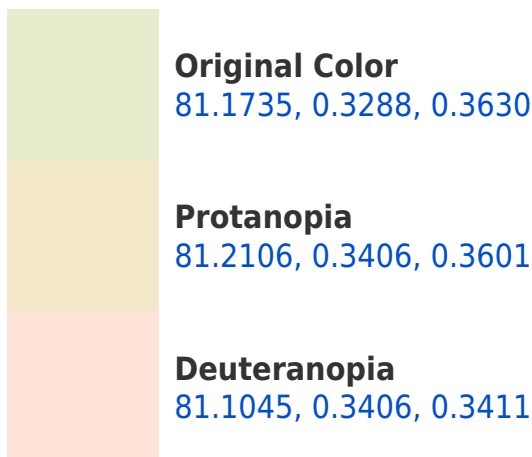


This preview shows how white text looks on a background with the Yxy color 81.1735, 0.3288, 0.3630.

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

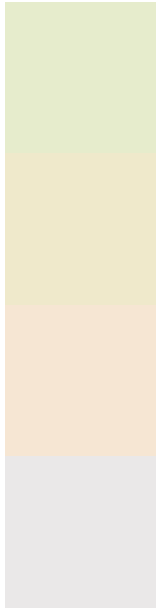




Tritanopia

81.2038, 0.3055, 0.3108

Trichromacy



Original Color

81.1735, 0.3288, 0.3630

Protanomaly

80.9403, 0.3362, 0.3604

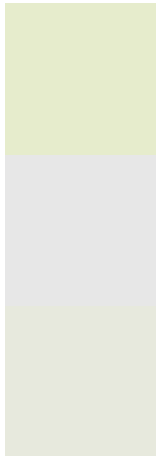
Deuteranomaly

80.8896, 0.3364, 0.3485

Tritanomaly

81.0318, 0.3141, 0.3290

Monochromacy



Original Color

81.1735, 0.3288, 0.3630

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.4872, 0.3189, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1735, 0.3288, 0.3630 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(230, 236, 204)` looks like.

```
.text, #text, p{  
    color:rgb(230, 236, 204)  
}
```

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(230, 236, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 236, 204) }
```

Border

The CSS property to change the border of an element to Yxy 81.1735, 0.3288, 0.3630 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(230, 236, 204) }
```

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

```
.border{ border-color:rgb(230, 236, 204) }
```

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

Here you see how a box with a 4 pixel rgb(230, 236, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 236, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 236, 204);  
box-shadow:4px 4px 4px 4px rgb(230, 236,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1735, 0.3288, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 236, 204) }
```

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

```
.background{ background-color: rgb(230,  
236, 204) }
```

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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