

Converting Colors

$Yxy(80.5388, 0.3286, 0.3665)$

Have a look what the booklet for
Yxy(80.5388, 0.3286, 0.3665)
contains.

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Color

Yxy(80.5388, 0.3286, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	E3ECC9
RGB	227, 236, 201
RGB Percent	89%, 93%, 79%
CMY	0.1099, 0.0745, 0.2117
CMYK	0.04, 0.00, 0.15, 0.07
HSL	75°, 48%, 86%
HSV	75°, 15%, 93%
XYZ	72.2102, 80.5388, 67.0021
YIQ	229.3190, 5.8710, -12.7930

Conversions

Conversions Part 2

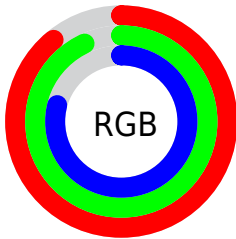
Format	Color
RYB	201, 236, 210
Decimal	14937289
CIELab	91.93, -8.96, 15.97
CIELCh	92, 18.309, 119.307
Yxy	80.5388, 0.3286, 0.3665
Android (android.graphics.Color)	4293127369 (0xFFE3ECC9)
YUV	229.3190, -13.9613, -2.0338
Hunter-Lab	89.7434, -13.4245, 18.5547

Details

The Yxy color **80.5388, 0.3286, 0.3665** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.5433, 0.2952, 0.2901**, and the grayscale version is **78.7026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4070, 0.3316, 0.3750** is the 20% darker color. If you saturate the color by 10%, you get **78.5417, 0.3393, 0.3933**, and if you desaturate by 10%, it is **82.7487, 0.3178, 0.3408**.

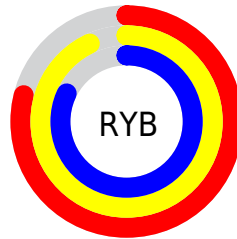
Distribution



Red (89%)

Green (93%)

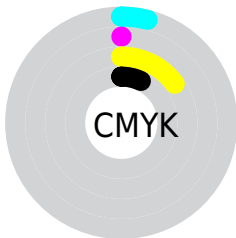
Blue (79%)



Red (79%)

Yellow (93%)

Blue (82%)

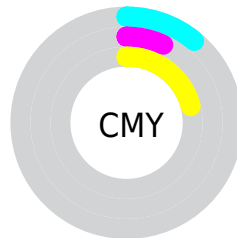


Cyan (4%)

Magenta (0%)

Yellow (15%)

Black (7%)



Cyan (11%)


Magenta (7%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5388, 0.3286, 0.3665 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 80.5388, 0.3286, 0.3665 by changing the saturation by 10% instead.


 80.5388, 0.3286,
0.3665

 80.5388, 0.3286,
0.3665


496.7468, 0.3215,
0.3492

 60.1618, 0.3301,
0.3704

134.1230, 0.3262,
0.3605

 43.5491, 0.3320,
0.3753


168.0990, 0.3253,
0.3582

 30.3162, 0.3343,
0.3815


207.3768, 0.3244,
0.3561

 20.0787, 0.3373,
0.3895

252.3408, 0.3237,
0.3544

 12.4523, 0.3411,
0.4004

303.3754, 0.3231,
0.3529

 7.0525, 0.3461,
0.4160

360.8650, 0.3225,

 3.4949, 0.3531,

0.3515

0.4400

425.1940, 0.3220,
0.3503

■ 1.3953, 0.3798,
0.5041

■ 0.2132, 0.0000,
1.0000

■ 80.5388, 0.3286,
0.3665

■ 80.5388, 0.3286,
0.3665

■ 78.5417, 0.3393,
0.3933

■ 82.7487, 0.3178,
0.3408

■ 76.7387, 0.3495,
0.4206

■ 85.1685, 0.3073,
0.3168

■ 75.1247, 0.3589,
0.4475

■ 86.6782, 0.3072,
0.3104

■ 73.6901, 0.3667,
0.4728

■ 87.7944, 0.3112,
0.3106

■ 72.4245, 0.3725,
0.4955

■ 88.4787, 0.3136,
0.3107

■ 71.3162, 0.3760,
0.5143

■ 70.3516, 0.3768,
0.5286

■ 69.5141, 0.3752,
0.5380

■ 69.1180, 0.3736,
0.5415

Harmonies

Analogous

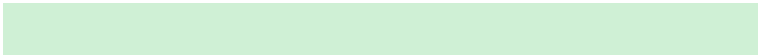
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5388, 0.3461, 0.3637



80.5388, 0.3286, 0.3665



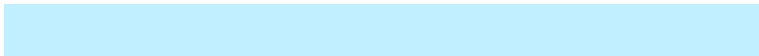
80.5388, 0.3072, 0.3584

Triad

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



80.5388, 0.3286, 0.3665



80.5388, 0.2724, 0.3045



80.5388, 0.3377, 0.3165

Complementary

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



80.5388, 0.3286, 0.3665



61.5433, 0.2952, 0.2901

Split Complementary

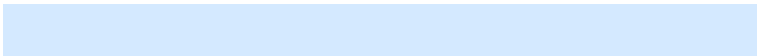
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5388, 0.3172, 0.3020



80.5388, 0.3286, 0.3665



80.5388, 0.2798, 0.2948

Square

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



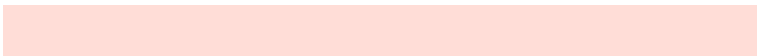
80.5388, 0.3286, 0.3665



80.5388, 0.2752, 0.3216



80.5388, 0.2960, 0.2941



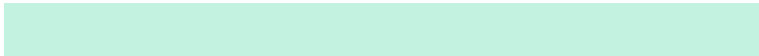
80.5388, 0.3517, 0.3344

Rectangle

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



80.5388, 0.3286, 0.3665



80.5388, 0.2937, 0.3479



80.5388, 0.2960, 0.2941



80.5388, 0.3313, 0.3111

Sweetspot

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



80.5423, 0.3286, 0.3665



98.8640, 0.3170, 0.3388



68.0273, 0.3390, 0.3385



21.1162, 0.3178, 0.3407



0.0000, 0.0000, 0.0000



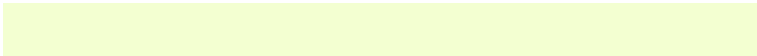
21.4041, 0.3127, 0.3290

Same Dimension

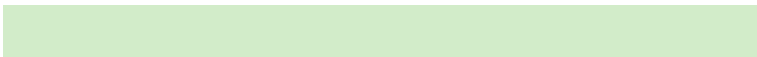
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5423, 0.3286, 0.3665



95.2086, 0.3321, 0.3751



77.8825, 0.3167, 0.3679



17.4198, 0.3228, 0.3526



38.1596, 0.3744, 0.5409



3.0421, 0.3809, 0.5358

Inverse Universe

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



61.5433, 0.2952, 0.2901



68.2354, 0.2909, 0.2808



64.2078, 0.3079, 0.2916



14.7370, 0.3020, 0.3049



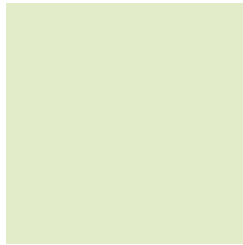
3.9371, 0.1655, 0.0685



0.3542, 0.1794, 0.0762

Previews

White Background



This preview shows how the Yxy color 80.5388, 0.3286, 0.3665 looks on a white background.

Color Contrast Check

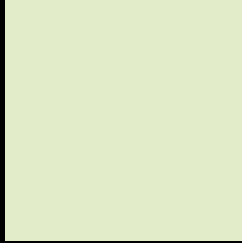
Large Text (above 18pt) WCAG AA × Fail

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 80.5388, 0.3286, 0.3665 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

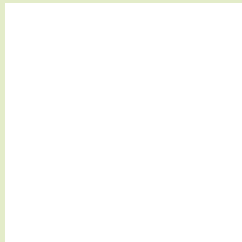
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5388, 0.3286, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 80.5388, 0.3286, 0.3665.



This preview shows how white text looks on a background with the Yxy color 80.5388, 0.3286, 0.3665.

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

80.5388, 0.3286, 0.3665

Protanopia

80.3300, 0.3421, 0.3623

Deuteranopia

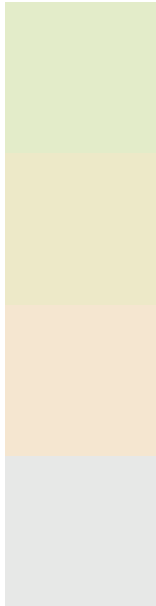
80.4062, 0.3428, 0.3432



Tritanopia

80.3084, 0.3042, 0.3096

Trichromacy



Original Color

80.5388, 0.3286, 0.3665

Protanomaly

80.4525, 0.3368, 0.3637

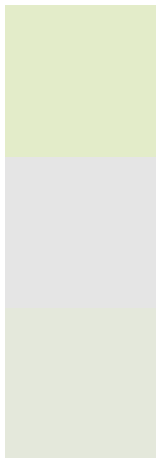
Deuteranomaly

80.5602, 0.3377, 0.3517

Tritanomaly

80.4717, 0.3127, 0.3300

Monochromacy



Original Color

80.5388, 0.3286, 0.3665

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.3217, 0.3182, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5388, 0.3286, 0.3665 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(227, 236, 201)` looks like.

```
.text, #text, p{  
    color:rgb(227, 236, 201)  
}
```

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(227, 236, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 236, 201) }
```

Border

The CSS property to change the border of an element to Yxy 80.5388, 0.3286, 0.3665 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(227, 236, 201) }
```

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

```
.border{ border-color:rgb(227, 236, 201) }
```

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

Here you see how a box with a 4 pixel rgb(227, 236, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 236, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 236, 201);  
box-shadow:4px 4px 4px 4px rgb(227, 236,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5388, 0.3286, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 236, 201) }
```

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

```
.background{ background-color: rgb(227,  
236, 201) }
```

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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