

Converting Colors

$Yxy(81.6386, 0.3375, 0.3712)$

Have a look what the booklet for
Yxy(81.6386, 0.3375, 0.3712)
contains.

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Color

Yxy(81.6386, 0.3375, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	EBECC4
RGB	235, 236, 196
RGB Percent	92%, 93%, 77%
CMY	0.0783, 0.0745, 0.2314
CMYK	0.00, 0.00, 0.17, 0.07
HSL	61°, 51%, 85%
HSV	61°, 17%, 93%
XYZ	74.2269, 81.6386, 64.0661
YIQ	231.1410, 12.2440, -12.6520

Conversions

Conversions Part 2

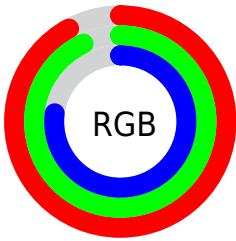
Format	Color
R _Y B	196, 236, 197
Decimal	15461572
CIE Lab	92.42, -6.86, 19.33
CIE LCh	92, 20.513, 109.543
Yxy	81.6386, 0.3375, 0.3712
Android (android.graphics.Color)	4293651652 (0xFFE BECC4)
YUV	231.1410, -17.3245, 3.3843
Hunter-Lab	90.3541, -11.4799, 21.2080

Details

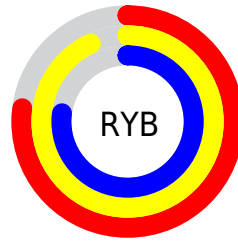
The Yxy color **81.6386, 0.3375, 0.3712** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.3988, 0.2857, 0.2832**, and the grayscale version is **80.1510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **44.1792, 0.3431, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **80.5537, 0.3523, 0.3966**, and if you desaturate by 10%, it is **82.9001, 0.3227, 0.3460**.

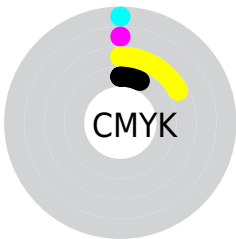
Distribution



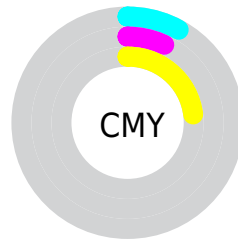
- Red (92%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (77%)



- Cyan (0%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6386, 0.3375, 0.3712 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 81.6386, 0.3375, 0.3712 by changing the saturation by 10% instead.

81.6386, 0.3375,
0.3712

81.6386, 0.3375,
0.3712

500.4380, 0.3264,
0.3518

61.0677, 0.3399,
0.3756

135.6671, 0.3337,
0.3645

44.2798, 0.3429,
0.3810

169.8934, 0.3322,
0.3619

30.8905, 0.3465,
0.3877

209.4404, 0.3310,
0.3597

20.5155, 0.3512,
0.3965

254.6923, 0.3298,
0.3577

12.7703, 0.3572,
0.4083

306.0337, 0.3288,
0.3560

7.2706, 0.3653,
0.4248

363.8488, 0.3279,

3.6319, 0.3764,

0.3544

0.4497

428.5221, 0.3271,
0.3531

■ 1.4699, 0.4212,
0.5268

■ 0.2674, 0.2447,
0.7553

■ 81.6386, 0.3375,
0.3712

■ 81.6386, 0.3375,
0.3712

■ 80.5537, 0.3523,
0.3966

■ 82.9001, 0.3227,
0.3460

■ 79.6267, 0.3667,
0.4213

■ 84.3346, 0.3084,
0.3217

■ 78.8526, 0.3800,
0.4445

■ 85.1697, 0.3017,
0.3100

■ 78.2222, 0.3917,
0.4650

■ 85.2679, 0.3021,
0.3100

77.7252, 0.4013,
0.4821

85.3664, 0.3024,
0.3101

77.3498, 0.4084,
0.4950

85.4653, 0.3028,
0.3101

77.0825, 0.4128,
0.5034

85.5644, 0.3032,
0.3101

76.9056, 0.4147,
0.5078

85.6639, 0.3035,
0.3101

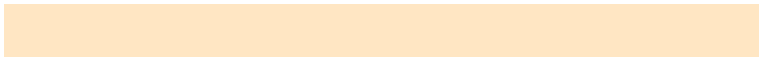
76.8610, 0.4151,
0.5086

85.7637, 0.3039,
0.3101

Harmonies

Analogous

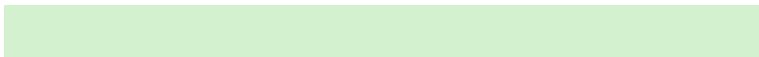
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6386, 0.3544, 0.3641



81.6386, 0.3375, 0.3712



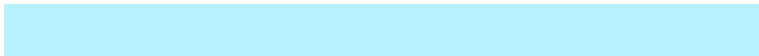
81.6386, 0.3143, 0.3662

Triad

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



81.6386, 0.3375, 0.3712



81.6386, 0.2676, 0.3071



81.6386, 0.3336, 0.3092

Complementary

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



81.6386, 0.3375, 0.3712



57.3988, 0.2857, 0.2832

Split Complementary

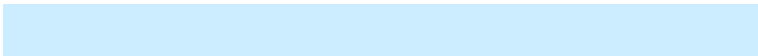
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6386, 0.3097, 0.2952



81.6386, 0.3375, 0.3712



81.6386, 0.2722, 0.2934

Square

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



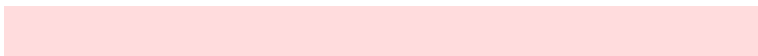
81.6386, 0.3375, 0.3712



81.6386, 0.2745, 0.3278



81.6386, 0.2873, 0.2894



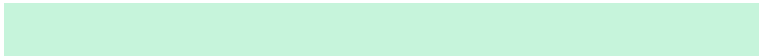
81.6386, 0.3523, 0.3282

Rectangle

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



81.6386, 0.3375, 0.3712



81.6386, 0.2986, 0.3563



81.6386, 0.2873, 0.2894



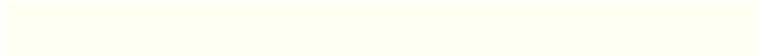
81.6386, 0.3259, 0.3038

Sweetspot

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



81.6422, 0.3375, 0.3712



99.1474, 0.3199, 0.3413



61.5968, 0.3451, 0.3298



21.1969, 0.3210, 0.3430



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.



81.6422, 0.3375, 0.3712



96.9066, 0.3422, 0.3792



78.4718, 0.3237, 0.3731



17.6073, 0.3264, 0.3523



42.3769, 0.4151, 0.5086



3.3335, 0.4158, 0.5081

Inverse Universe

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



57.3988, 0.2857, 0.2832



63.4180, 0.2800, 0.2737



60.2337, 0.3001, 0.2851



14.5663, 0.2983, 0.3047



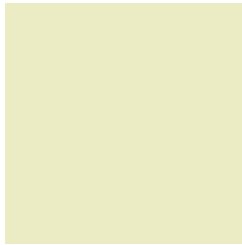
3.3665, 0.1508, 0.0604



0.2705, 0.1528, 0.0616

Previews

White Background



This preview shows how the Yxy color 81.6386, 0.3375, 0.3712 looks on a white background.

Color Contrast Check

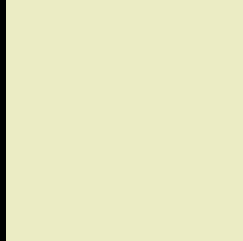
Large Text (above 18pt) WCAG AA × Fail

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 81.6386, 0.3375, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

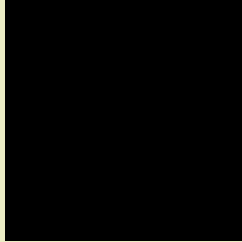
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

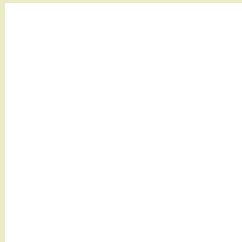
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6386, 0.3375, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 81.6386, 0.3375, 0.3712.

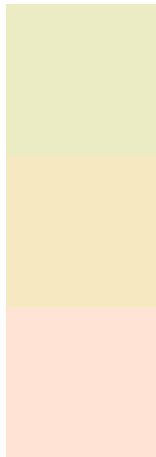


This preview shows how white text looks on a background with the Yxy color 81.6386, 0.3375, 0.3712.

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

81.6386, 0.3375, 0.3712

Protanopia

81.7657, 0.3472, 0.3693

Deuteranopia

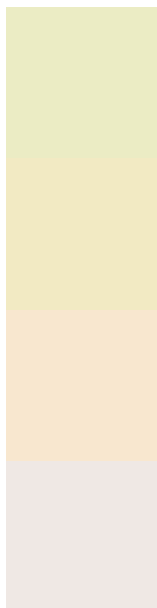
81.5509, 0.3418, 0.3441



Tritanopia

81.6313, 0.3102, 0.3110

Trichromacy



Original Color

81.6386, 0.3375, 0.3712

Protanomaly

81.6630, 0.3435, 0.3696

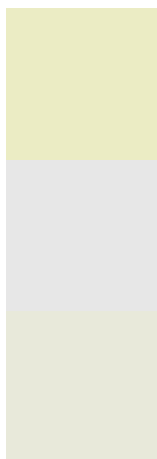
Deuteranomaly

81.6133, 0.3403, 0.3536

Tritanomaly

81.6654, 0.3200, 0.3331

Monochromacy



Original Color

81.6386, 0.3375, 0.3712

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.4956, 0.3215, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6386, 0.3375, 0.3712 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(235, 236, 196)` looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 196)  
}
```

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(235, 236, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 196) }
```

Border

The CSS property to change the border of an element to Yxy 81.6386, 0.3375, 0.3712 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(235, 236, 196) }
```

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

```
.border{ border-color:rgb(235, 236, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 236, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 196);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6386, 0.3375, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 196) }
```

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

```
.background{ background-color: rgb(235,  
236, 196) }
```

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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