

Converting Colors

$Yxy(81.2335, 0.3508, 0.3903)$

Have a look what the booklet for
Yxy(81.2335, 0.3508, 0.3903)
contains.

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Color

Yxy(81.2098, 0.3506, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	EDECB2
RGB	237, 236, 178
RGB Percent	93%, 93%, 70%
CMY	0.0704, 0.0745, 0.3020
CMYK	0.00, 0.00, 0.25, 0.07
HSL	59°, 62%, 81%
HSV	59°, 25%, 93%
XYZ	72.9681, 81.2098, 53.9456
YIQ	229.6870, 19.2140, -17.8260

Conversions

Conversions Part 2

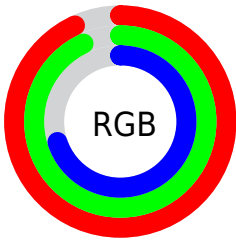
Format	Color
RYB	179, 237, 178
Decimal	15592626
CIELab	92.22, -8.66, 28.34
CIELCh	92, 29.632, 106.992
Yxy	81.2098, 0.3506, 0.3902
Android (android.graphics.Color)	4293782706 (0xFFEDEC B2)
YUV	229.6870, -25.4817, 6.4135
Hunter-Lab	90.1165, -13.1708, 27.5893

Details

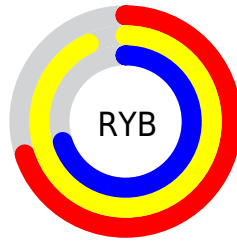
The Yxy color **81.2098, 0.3506, 0.3902** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.8437, 0.2700, 0.2595**, and the grayscale version is **79.0750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **43.9469, 0.3590, 0.4037** is the 20% darker color. If you saturate the color by 10%, you get **80.0978, 0.3658, 0.4146**, and if you desaturate by 10%, it is **82.4942, 0.3352, 0.3653**.

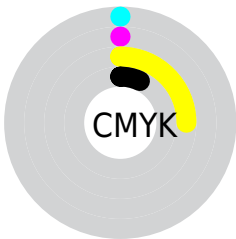
Distribution



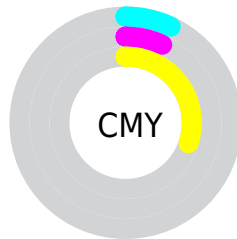
- Red (93%)
- Green (93%)
- Blue (70%)



- Red (70%)
- Yellow (93%)
- Blue (70%)



- Cyan (0%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)





- Cyan (7%)
- Magenta (7%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2098, 0.3506, 0.3902 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 81.2098, 0.3506, 0.3902 by changing the saturation by 10% instead.

 81.2098, 0.3506,
0.3902

 81.2098, 0.3506,
0.3902

499.0006, 0.3338,
0.3621

 60.7144, 0.3542,
0.3965


 135.0653, 0.3449,
0.3805

 43.9947, 0.3586,
0.4043


169.1942, 0.3427,
0.3767

 30.6664, 0.3639,
0.4140


208.6364, 0.3407,
0.3735

 20.3449, 0.3705,
0.4264

253.7763, 0.3390,
0.3706

 12.6460, 0.3789,
0.4429

304.9983, 0.3375,
0.3681

 7.1853, 0.3894,
0.4655

362.6867, 0.3361,

 3.5782, 0.4035,

0.3659

0.4992

427.2261, 0.3349,
0.3639

■ 1.4405, 0.4323,
0.5677

■ 0.2463, 0.0844,
0.9156

■ 81.2098, 0.3506,
0.3902

■ 81.2098, 0.3506,
0.3902

■ 80.0978, 0.3658,
0.4146

■ 82.4942, 0.3352,
0.3653

■ 79.1389, 0.3801,
0.4375


■ 83.9478, 0.3200,
0.3408


■ 78.3274, 0.3931,
0.4581

■ 85.5819, 0.3054,
0.3171

■ 77.6531, 0.4040,
0.4752

■ 86.2019, 0.3019,
0.3117

 77.1047, 0.4125,
0.4884


 86.4490, 0.3019,
0.3122


 76.6686, 0.4183,
0.4971

 86.6967, 0.3019,
0.3126

 76.3286, 0.4216,
0.5016

 86.9450, 0.3019,
0.3130

 76.1797, 0.4225,
0.5027

 87.1939, 0.3019,
0.3134

 87.4434, 0.3019,
0.3139

Harmonies

Analogous

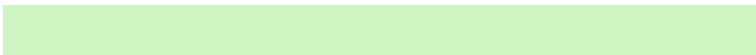
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2098, 0.3744, 0.3774



81.2098, 0.3506, 0.3902



81.2098, 0.3174, 0.3852

Triad

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



81.2098, 0.3506, 0.3902



81.2098, 0.2487, 0.2989



81.2098, 0.3399, 0.2987

Complementary

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



81.2098, 0.3506, 0.3902



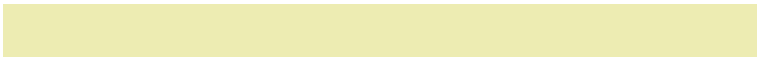
47.8437, 0.2700, 0.2595

Split Complementary

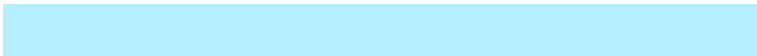
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2098, 0.3050, 0.2800



81.2098, 0.3506, 0.3902



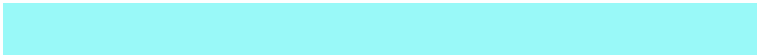
81.2098, 0.2538, 0.2788

Square

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



81.2098, 0.3506, 0.3902



81.2098, 0.2595, 0.3295



81.2098, 0.2738, 0.2726



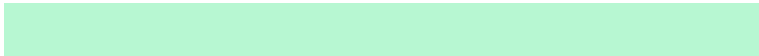
81.2098, 0.3685, 0.3248

Rectangle

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



81.2098, 0.3506, 0.3902



81.2098, 0.2947, 0.3715



81.2098, 0.2738, 0.2726



81.2098, 0.3285, 0.2914

Sweetspot

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



81.2134, 0.3506, 0.3902



98.6994, 0.3232, 0.3459



53.1462, 0.3636, 0.3270



21.1028, 0.3241, 0.3474



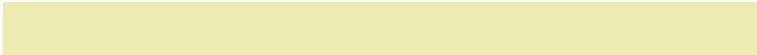
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

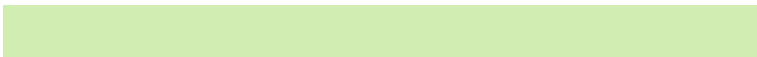
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2134, 0.3506, 0.3902



95.1433, 0.3586, 0.4030



77.4384, 0.3307, 0.3954



17.5779, 0.3268, 0.3519



41.5938, 0.4225, 0.5028



3.2809, 0.4220, 0.5031

Inverse Universe

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



47.8437, 0.2700, 0.2595



49.3344, 0.2596, 0.2424



51.0148, 0.2906, 0.2622



14.5921, 0.2980, 0.3051



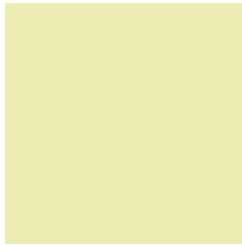
3.4086, 0.1503, 0.0611



0.2830, 0.1512, 0.0643

Previews

White Background



This preview shows how the Yxy color 81.2098, 0.3506, 0.3902 looks on a white background.

Color Contrast Check

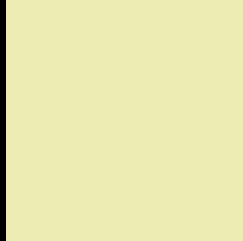
Large Text (above 18pt) WCAG AA × Fail

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 81.2098, 0.3506, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

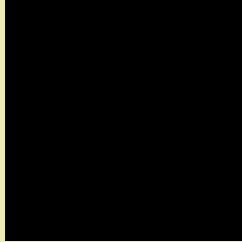
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.2098, 0.3506, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 81.2098, 0.3506, 0.3902.



This preview shows how white text looks on a background with the Yxy color 81.2098, 0.3506, 0.3902.

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

81.2098, 0.3506, 0.3902

Protanopia

80.9876, 0.3617, 0.3866

Deuteranopia

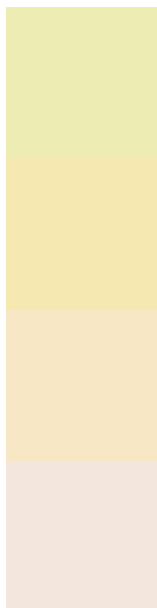
81.2518, 0.3459, 0.3502



Tritanopia

81.1236, 0.3142, 0.3111

Trichromacy



Original Color

81.2098, 0.3506, 0.3902

Protanomaly

80.8646, 0.3578, 0.3872

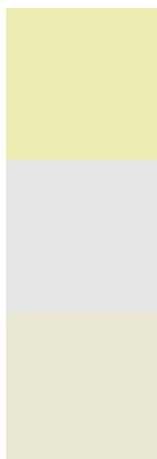
Deuteranomaly

81.0938, 0.3477, 0.3650

Tritanomaly

80.8688, 0.3276, 0.3383

Monochromacy



Original Color

81.2098, 0.3506, 0.3902

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.7400, 0.3269, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2098, 0.3506, 0.3902 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(237, 236, 178)` looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 178)  
}
```

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(237, 236, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 178) }
```

Border

The CSS property to change the border of an element to Yxy 81.2098, 0.3506, 0.3902 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(237, 236, 178) }
```

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

```
.border{ border-color:rgb(237, 236, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 236, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 178);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2098, 0.3506, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 178) }
```

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

```
.background{ background-color: rgb(237,  
236, 178) }
```

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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