

Converting Colors

$Y_{xy}(80.1009, 0.3514, 0.3965)$

Have a look what the booklet for
Yxy(80.1009, 0.3514, 0.3965)
contains.

Yxy(80.2931, 0.3515, 0.3972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.2931, 0.3515, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	E9ECAC
RGB	233, 236, 172
RGB Percent	91%, 93%, 67%
CMY	0.0862, 0.0745, 0.3254
CMYK	0.01, 0.00, 0.27, 0.07
HSL	63°, 63%, 80%
HSV	63°, 27%, 93%
XYZ	71.0549, 80.2931, 50.7997
YIQ	227.8070, 18.7560, -20.5400

Conversions

Conversions Part 2

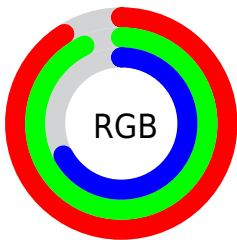
Format	Color
RYB	172, 236, 175
Decimal	15330476
CIELab	91.82, -10.93, 30.77
CIELCh	92, 32.657, 109.563
Yxy	80.2931, 0.3515, 0.3972
Android (android.graphics.Color)	4293520556 (0xFFE9ECAC)
YUV	227.8070, -27.5129, 4.5543
Hunter-Lab	89.6064, -15.2666, 29.1118

Details

The Yxy color $80.2931, 0.3515, 0.3972$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $44.6892, 0.2677, 0.2514$, and the grayscale version is $77.6357, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.3814, 0.3286, 0.3552$, and $43.3215, 0.3601, 0.4129$ is the 20% darker color. If you saturate the color by 10%, you get $79.2848, 0.3654, 0.4222$, and if you desaturate by 10%, it is $81.4707, 0.3371, 0.3717$.

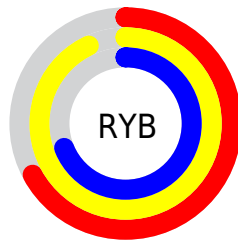
Distribution



Red (91%)

Green (93%)

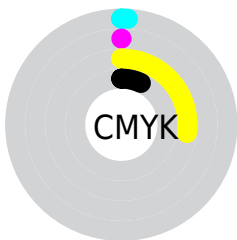
Blue (67%)



Red (67%)

Yellow (93%)

Blue (69%)

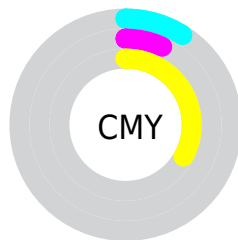


Cyan (1%)

Magenta (0%)

Yellow (27%)

Black (7%)



Cyan (9%)


Magenta (7%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2931, 0.3515, 0.3972 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 80.2931, 0.3515, 0.3972 by changing the saturation by 10% instead.


 80.2931, 0.3515,
0.3972

 80.2931, 0.3515,
0.3972


495.9201, 0.3344,
0.3657

 59.9596, 0.3551,
0.4043


 133.7777, 0.3458,
0.3863

 43.3861, 0.3595,
0.4130


167.6976, 0.3435,
0.3821

 30.1881, 0.3648,
0.4239


206.9151, 0.3415,
0.3784

 19.9814, 0.3713,
0.4380

251.8146, 0.3397,
0.3752

 12.3815, 0.3793,
0.4565

302.7804, 0.3382,
0.3724

 7.0041, 0.3889,
0.4819


360.1970, 0.3368,


 3.4647, 0.4041,


0.3699


0.5236


424.4487, 0.3355,
0.3677

 1.3789, 0.4164,
0.5836


 0.2011, 0.0000,
1.0000

 80.2931, 0.3515,
0.3972


 80.2931, 0.3515,
0.3972

 79.2848, 0.3654,
0.4222


 81.4707, 0.3371,
0.3717


 78.4266, 0.3784,
0.4456

 82.8149, 0.3227,
0.3464

 77.7127, 0.3897,
0.4665

 84.3364, 0.3087,
0.3221

 77.1329, 0.3988,
0.4840

 85.2838, 0.3021,
0.3100

 76.6754, 0.4054,
0.4973

 85.4735, 0.3028,
0.3101

 76.3265, 0.4094,
0.5061

 85.6643, 0.3035,
0.3101

 76.0684, 0.4109,
0.5108

 85.8563, 0.3042,
0.3102

 76.0023, 0.4111,
0.5118

 86.0494, 0.3049,
0.3102

 86.2437, 0.3057,
0.3102

Harmonies

Analogous

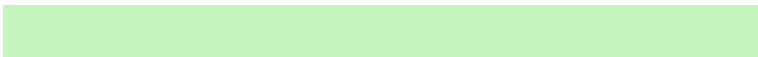
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2931, 0.3792, 0.3841



80.2931, 0.3515, 0.3972



80.2931, 0.3144, 0.3901

Triad

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



80.2931, 0.3515, 0.3972



80.2931, 0.2421, 0.2930



80.2931, 0.3459, 0.2978

Complementary

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



80.2931, 0.3515, 0.3972



44.6892, 0.2677, 0.2514

Split Complementary

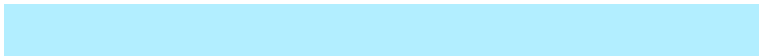
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2931, 0.3073, 0.2765



80.2931, 0.3515, 0.3972



80.2931, 0.2492, 0.2724

Square

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



80.2931, 0.3515, 0.3972



80.2931, 0.2524, 0.3261



80.2931, 0.2723, 0.2672



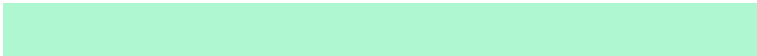
80.2931, 0.3765, 0.3268

Rectangle

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



80.2931, 0.3515, 0.3972



80.2931, 0.2896, 0.3738



80.2931, 0.2723, 0.2672



80.2931, 0.3333, 0.2896

Sweetspot

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



80.2967, 0.3515, 0.3972



98.5758, 0.3240, 0.3487



51.1491, 0.3709, 0.3316



21.0452, 0.3262, 0.3525



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

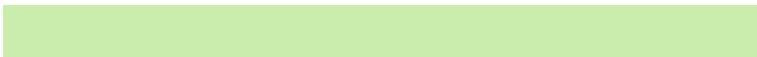
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2967, 0.3515, 0.3972



94.9810, 0.3600, 0.4124



75.5090, 0.3292, 0.4024



17.5893, 0.3261, 0.3523



41.9116, 0.4113, 0.5117



3.3021, 0.4124, 0.5107

Inverse Universe

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



44.6892, 0.2677, 0.2514



45.3751, 0.2558, 0.2311



48.7176, 0.2916, 0.2565



14.5823, 0.2987, 0.3047



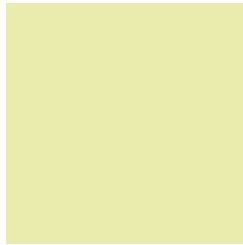
3.3925, 0.1515, 0.0608



0.2782, 0.1554, 0.0630

Previews

White Background



This preview shows how the Yxy color 80.2931, 0.3515, 0.3972 looks on a white background.

Color Contrast Check

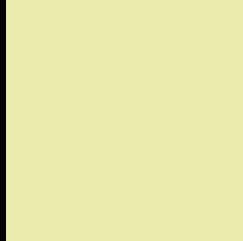
Large Text (above 18pt) WCAG AA × Fail

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 80.2931, 0.3515, 0.3972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

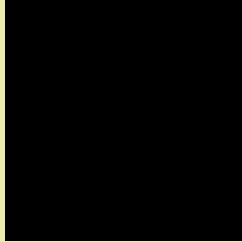
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2931, 0.3515, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 80.2931, 0.3515, 0.3972.

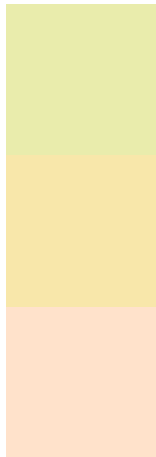


This preview shows how white text looks on a background with the Yxy color 80.2931, 0.3515, 0.3972.

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

80.2931, 0.3515, 0.3972

Protanopia

80.0106, 0.3652, 0.3920

Deuteranopia

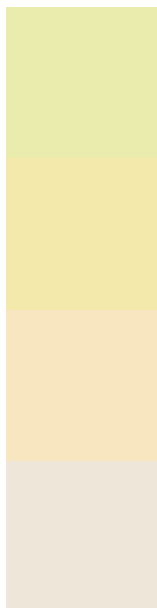
79.9645, 0.3491, 0.3524



Tritanopia

80.3471, 0.3121, 0.3119

Trichromacy



Original Color

80.2931, 0.3515, 0.3972

Protanomaly

80.2728, 0.3603, 0.3937

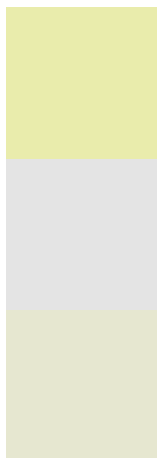
Deuteranomaly

80.1736, 0.3499, 0.3683

Tritanomaly

80.0063, 0.3267, 0.3415

Monochromacy



Original Color

80.2931, 0.3515, 0.3972

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.5289, 0.3268, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2931, 0.3515, 0.3972 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(233, 236, 172)` looks like.

```
.text, #text, p{  
    color:rgb(233, 236, 172)  
}
```

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(233, 236, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 236, 172) }
```

Border

The CSS property to change the border of an element to Yxy 80.2931, 0.3515, 0.3972 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(233, 236, 172) }
```

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

```
.border{ border-color:rgb(233, 236, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 236, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 236, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 236, 172);  
box-shadow:4px 4px 4px 4px rgb(233, 236,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2931, 0.3515, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 236, 172) }
```

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

```
.background{ background-color: rgb(233,  
236, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor