

Converting Colors

$Yxy(80.0034, 0.3249, 0.3564)$

Have a look what the booklet for
Yxy(80.0034, 0.3249, 0.3564)
contains.

Yxy(79.8937, 0.3251, 0.3567)	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(79.8937, 0.3251, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	E4EAD0
RGB	228, 234, 208
RGB Percent	89%, 92%, 82%
CMY	0.1057, 0.0824, 0.1842
CMYK	0.03, 0.00, 0.11, 0.08
HSL	74°, 38%, 87%
HSV	74°, 11%, 92%
XYZ	72.8159, 79.8937, 71.2705
YIQ	229.2420, 4.7700, -9.3580

Conversions

Conversions Part 2

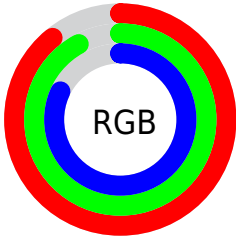
Format	Color
R _Y B	208, 234, 214
Decimal	15002320
CIE Lab	91.64, -6.44, 11.93
CIE LCh	92, 13.559, 118.379
Yxy	79.8937, 0.3251, 0.3567
Android (android.graphics.Color)	4293192400 (0xFFE4EAD0)
YUV	229.2420, -10.4723, -1.0892
Hunter-Lab	89.3833, -11.0060, 15.2929

Details

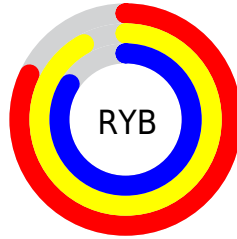
The Yxy color $79.8937, 0.3251, 0.3567$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $65.3529, 0.2995, 0.3005$, and the grayscale version is $78.6258, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.0581, 0.3280, 0.3622$ is the 20% darker color. If you saturate the color by 10%, you get $77.9664, 0.3364, 0.3830$, and if you desaturate by 10%, it is $82.0250, 0.3139, 0.3317$.

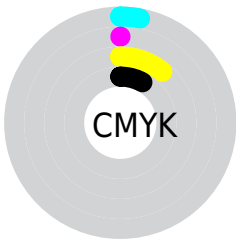
Distribution



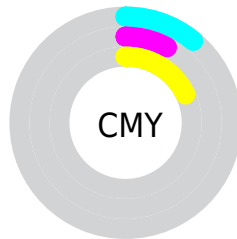
- Red (89%)
- Green (92%)
- Blue (82%)



- Red (82%)
- Yellow (92%)
- Blue (84%)



- Cyan (3%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8937, 0.3251, 0.3567 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 79.8937, 0.3251, 0.3567 by changing the saturation by 10% instead.

■ 79.8937, 0.3251,
0.3567

■ 79.8937, 0.3251,
0.3567

494.5745, 0.3195,
0.3439

■ 59.6309, 0.3263,
0.3596

133.2163, 0.3232,
0.3523

■ 43.1212, 0.3278,
0.3632

167.0448, 0.3225,
0.3506

■ 29.9802, 0.3297,
0.3677

206.1641, 0.3218,
0.3491

■ 19.8236, 0.3321,
0.3736

250.9584, 0.3212,
0.3478

■ 12.2669, 0.3352,
0.3816

301.8122, 0.3207,
0.3466

■ 6.9257, 0.3396,
0.3931

359.1099, 0.3203,

■ 3.4157, 0.3458,

0.3456

0.4109

423.2359, 0.3199,
0.3447

■ 1.3524, 0.3615,
0.4495

■ 0.1812, 0.0762,
0.9238

■ 79.8937, 0.3251,
0.3567

■ 79.8937, 0.3251,
0.3567

■ 77.9664, 0.3364,
0.3830

■ 82.0250, 0.3139,
0.3317

■ 76.2251, 0.3474,
0.4099


■ 84.3570, 0.3031,
0.3082

■ 74.6650, 0.3576,
0.4367

■ 85.3132, 0.3065,
0.3083

■ 73.2771, 0.3666,
0.4623

■ 86.2855, 0.3100,
0.3085


 72.0519, 0.3738,
0.4855

 87.2860, 0.3135,
0.3087

 70.9784, 0.3787,
0.5053

 87.3202, 0.3137,
0.3088

 70.0442, 0.3810,
0.5207

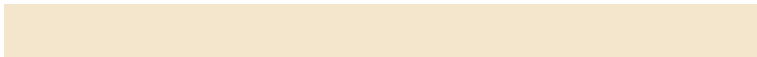
 69.2346, 0.3808,
0.5314

 68.5973, 0.3788,
0.5374

Harmonies

Analogous

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



79.8937, 0.3379, 0.3546



79.8937, 0.3251, 0.3567



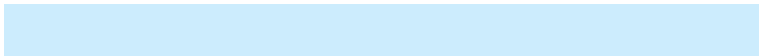
79.8937, 0.3092, 0.3509

Triad

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



79.8937, 0.3251, 0.3567



79.8937, 0.2825, 0.3113



79.8937, 0.3309, 0.3193

Complementary

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



79.8937, 0.3251, 0.3567



65.3529, 0.2995, 0.3005

Split Complementary

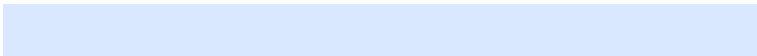
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8937, 0.3156, 0.3084



79.8937, 0.3251, 0.3567



79.8937, 0.2879, 0.3036

Square

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



79.8937, 0.3251, 0.3567



79.8937, 0.2849, 0.3241



79.8937, 0.2999, 0.3027



79.8937, 0.3413, 0.3328

Rectangle

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



79.8937, 0.3251, 0.3567



79.8937, 0.2991, 0.3433



79.8937, 0.2999, 0.3027



79.8937, 0.3261, 0.3153

Sweetspot

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



79.8972, 0.3251, 0.3567



99.1865, 0.3160, 0.3363



69.9612, 0.3318, 0.3351



21.1843, 0.3169, 0.3383



0.0000, 0.0000, 0.0000



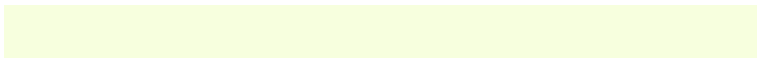
21.4041, 0.3127, 0.3290

Same Dimension

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



79.8972, 0.3251, 0.3567



96.6355, 0.3273, 0.3618



77.8999, 0.3164, 0.3574



17.4431, 0.3233, 0.3525



38.6107, 0.3794, 0.5369



3.0742, 0.3852, 0.5323

Inverse Universe

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



65.3529, 0.2995, 0.3005



76.1127, 0.2969, 0.2951



67.3334, 0.3086, 0.3013



14.7152, 0.3015, 0.3049



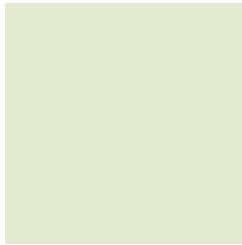
3.8185, 0.1625, 0.0669



0.3421, 0.1758, 0.0742

Previews

White Background



This preview shows how the Yxy color 79.8937, 0.3251, 0.3567 looks on a white background.

Color Contrast Check

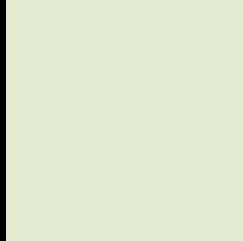
Large Text (above 18pt) WCAG AA × Fail

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 79.8937, 0.3251, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

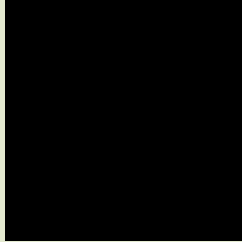
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

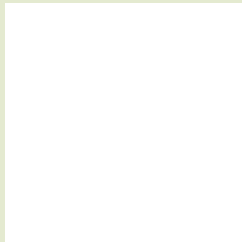
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8937, 0.3251, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 79.8937, 0.3251, 0.3567.

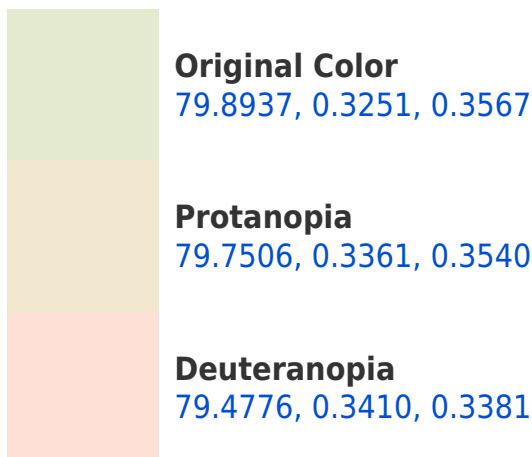


This preview shows how white text looks on a background with the Yxy color 79.8937, 0.3251, 0.3567.

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

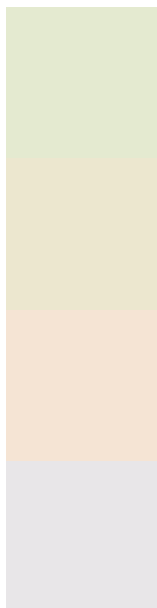




Tritanopia

79.6331, 0.3054, 0.3106

Trichromacy



Original Color

79.8937, 0.3251, 0.3567

Protanomaly

79.4897, 0.3317, 0.3543

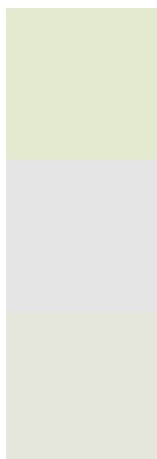
Deuteranomaly

79.6527, 0.3352, 0.3455

Tritanomaly

79.5756, 0.3128, 0.3269

Monochromacy



Original Color

79.8937, 0.3251, 0.3567

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.0303, 0.3177, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8937, 0.3251, 0.3567 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(228, 234, 208)` looks like.

```
.text, #text, p{  
    color:rgb(228, 234, 208)  
}
```

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(228, 234, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 234, 208) }
```

Border

The CSS property to change the border of an element to Yxy 79.8937, 0.3251, 0.3567 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(228, 234, 208) }
```

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

```
.border{ border-color:rgb(228, 234, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 234, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 234, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 234, 208);  
box-shadow:4px 4px 4px 4px rgb(228, 234,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8937, 0.3251, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 234, 208) }
```

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

```
.background{ background-color: rgb(228,  
234, 208) }
```

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