

Converting Colors

$Yxy(80.4280, 0.3245, 0.3516)$

Have a look what the booklet for
Yxy(80.4280, 0.3245, 0.3516)
contains.

| | |
|--|----|
| Yxy(80.5880, 0.3246, 0.3523) | 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(80.5880, 0.3246, 0.3523)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E7EAD4 |
| RGB | 231, 234, 212 |
| RGB Percent | 91%, 92%, 83% |
| CMY | 0.0942, 0.0823, 0.1687 |
| CMYK | 0.01, 0.00, 0.09, 0.08 |
| HSL | 68°, 34%, 87% |
| HSV | 68°, 9%, 92% |
| XYZ | 74.2517, 80.5880, 73.9086 |
| YIQ | 230.5950, 5.2740, -7.4780 |

Conversions

Conversions Part 2

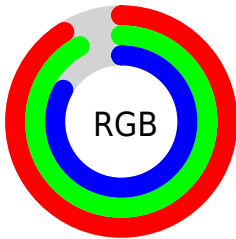
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 212, 234, 215 |
| Decimal | 15198932 |
| CIE Lab | 91.95, -4.80, 10.35 |
| CIE LCh | 92, 11.406, 114.871 |
| Yxy | 80.5880, 0.3246, 0.3523 |
| Android (android.graphics.Color) | 4293389012 (0xFFE7EAD4) |
| YUV | 230.5950, -9.1673, 0.3552 |
| Hunter-Lab | 89.7708, -9.4572, 14.0260 |

Details

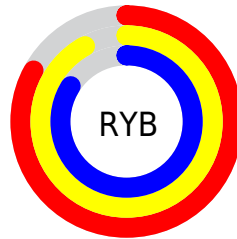
The Yxy color **80.5880, 0.3246, 0.3523** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **67.4632, 0.3002, 0.3049**, and the grayscale version is **79.6589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3891, 0.3273, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **78.9624, 0.3374, 0.3780**, and if you desaturate by 10%, it is **82.4017, 0.3120, 0.3276**.

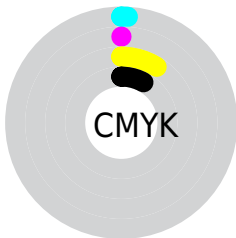
Distribution



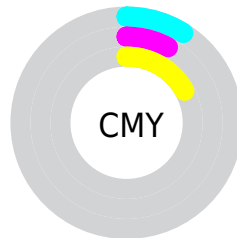
- Red (91%)
- Green (92%)
- Blue (83%)



- Red (83%)
- Yellow (92%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5880, 0.3246, 0.3523 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 80.5880, 0.3246, 0.3523 by changing the saturation by 10% instead.

80.5880, 0.3246,
0.3523

80.5880, 0.3246,
0.3523

496.9122, 0.3192,
0.3416

60.2023, 0.3258,
0.3547

134.1921, 0.3228,
0.3486

43.5817, 0.3272,
0.3577

168.1794, 0.3221,
0.3472

30.3418, 0.3291,
0.3615

207.4692, 0.3214,
0.3459

20.0982, 0.3314,
0.3664

252.4462, 0.3209,
0.3448

12.4664, 0.3345,
0.3730

303.4945, 0.3204,
0.3439

7.0622, 0.3388,
0.3824

360.9987, 0.3200,

3.5010, 0.3451,

0.3430

0.3970

425.3432, 0.3196,
0.3423

■ 1.3986, 0.3574,
0.4248

■ 0.2157, 0.2895,
0.7105

■ 80.5880, 0.3246,
0.3523

■ 80.5880, 0.3246,
0.3523

■ 78.9624, 0.3374,
0.3780

■ 82.4017, 0.3120,
0.3276

■ 77.5070, 0.3501,
0.4042

■ 84.1544, 0.3021,
0.3080

■ 76.2174, 0.3622,
0.4300

■ 84.7169, 0.3042,
0.3082

■ 75.0850, 0.3731,
0.4544

■ 85.2894, 0.3064,
0.3083

■ 74.1005, 0.3823,
0.4764

■ 85.8721, 0.3085,
0.3084

■ 73.2534, 0.3892,
0.4949

■ 86.4649, 0.3106,
0.3086

■ 72.5318, 0.3936,
0.5091

■ 87.0680, 0.3127,
0.3087

■ 71.9217, 0.3954,
0.5188

■ 87.3350, 0.3137,
0.3088

■ 71.4004, 0.3949,
0.5244

Harmonies

Analogous

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



80.5880, 0.3347, 0.3499



80.5880, 0.3246, 0.3523



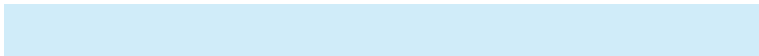
80.5880, 0.3114, 0.3482

Triad

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



80.5880, 0.3246, 0.3523



80.5880, 0.2872, 0.3153



80.5880, 0.3266, 0.3196

Complementary

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



80.5880, 0.3246, 0.3523



67.4632, 0.3002, 0.3049

Split Complementary

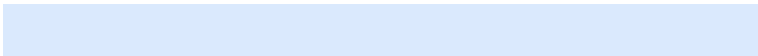
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5880, 0.3136, 0.3109



80.5880, 0.3246, 0.3523



80.5880, 0.2910, 0.3082

Square

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



80.5880, 0.3246, 0.3523



80.5880, 0.2900, 0.3264



80.5880, 0.3006, 0.3067



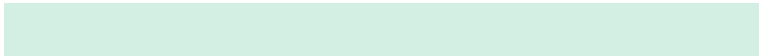
80.5880, 0.3360, 0.3309

Rectangle

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



80.5880, 0.3246, 0.3523



80.5880, 0.3027, 0.3422



80.5880, 0.3006, 0.3067



80.5880, 0.3225, 0.3163

Sweetspot

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



80.5915, 0.3246, 0.3523



99.3173, 0.3165, 0.3363



70.8025, 0.3289, 0.3322



21.2197, 0.3175, 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.



80.5915, 0.3246, 0.3523



97.5963, 0.3267, 0.3564



78.8312, 0.3171, 0.3528



17.5154, 0.3247, 0.3524



40.1417, 0.3952, 0.5244



3.1811, 0.3988, 0.5216

Inverse Universe

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



67.4632, 0.3002, 0.3049



79.0902, 0.2978, 0.3005



69.1719, 0.3080, 0.3055



14.6486, 0.3001, 0.3048



3.5448, 0.1555, 0.0630



0.3098, 0.1657, 0.0687

Previews

White Background



This preview shows how the Yxy color 80.5880, 0.3246, 0.3523 looks on a white background.

Color Contrast Check

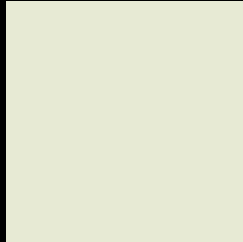
Large Text (above 18pt) WCAG AA × Fail

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 80.5880, 0.3246, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

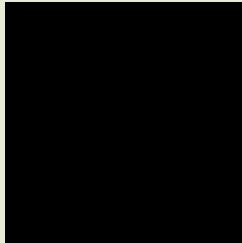
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

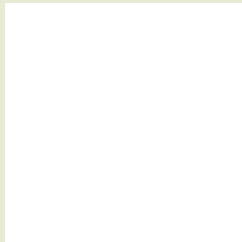
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5880, 0.3246, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 80.5880, 0.3246, 0.3523.



This preview shows how white text looks on a background with the Yxy color 80.5880, 0.3246, 0.3523.

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

80.5880, 0.3246, 0.3523

Protanopia

80.5057, 0.3333, 0.3508

Deuteranopia

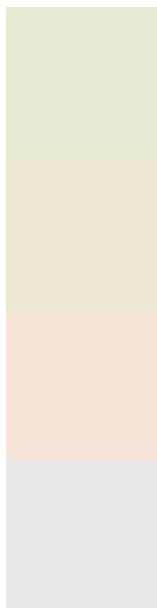
80.1724, 0.3388, 0.3361



Tritanopia

80.5869, 0.3061, 0.3107

Trichromacy



Original Color

80.5880, 0.3246, 0.3523

Protanomaly

80.4209, 0.3297, 0.3510

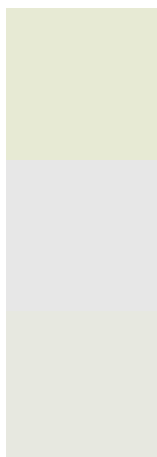
Deuteranomaly

80.0375, 0.3333, 0.3413

Tritanomaly

80.5848, 0.3129, 0.3259

Monochromacy



Original Color

80.5880, 0.3246, 0.3523

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0840, 0.3171, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5880, 0.3246, 0.3523 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(231, 234, 212)` looks like.

```
.text, #text, p{  
    color:rgb(231, 234, 212)  
}
```

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(231, 234, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 234, 212) }
```

Border

The CSS property to change the border of an element to Yxy 80.5880, 0.3246, 0.3523 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(231, 234, 212) }
```

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

```
.border{ border-color:rgb(231, 234, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 234, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 234, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 234, 212);  
box-shadow:4px 4px 4px 4px rgb(231, 234,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5880, 0.3246, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 234, 212) }
```

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

```
.background{ background-color: rgb(231,  
234, 212) }
```

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