

Converting Colors

$Y_{xy}(80.1201, 0.3529, 0.4055)$

Have a look what the booklet for
Yxy(80.1201, 0.3529, 0.4055)
contains.

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Color

Yxy(80.1445, 0.3529, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	E6EDA6
RGB	230, 237, 166
RGB Percent	90%, 93%, 65%
CMY	0.0980, 0.0706, 0.3492
CMYK	0.03, 0.00, 0.30, 0.07
HSL	66°, 66%, 79%
HSV	66°, 30%, 93%
XYZ	69.8001, 80.1445, 47.8454
YIQ	226.8130, 18.6190, -23.5650

Conversions

Conversions Part 2

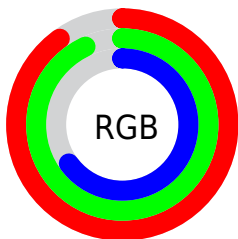
Format	Color
RYB	166, 237, 173
Decimal	15134118
CIELab	91.75, -13.34, 33.72
CIELCh	92, 36.265, 111.575
Yxy	80.1445, 0.3529, 0.4052
Android (android.graphics.Color)	4293324198 (0xFFE6EDA6)
YUV	226.8130, -29.9808, 2.7950
Hunter-Lab	89.5235, -17.4923, 30.9792

Details

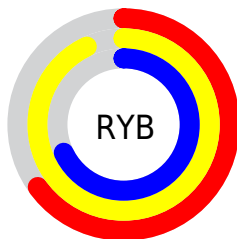
The Yxy color **80.1445, 0.3529, 0.4052** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **42.2501, 0.2648, 0.2425**, and the grayscale version is **76.8857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **43.2387, 0.3616, 0.4230** is the 20% darker color. If you saturate the color by 10%, you get **78.9739, 0.3657, 0.4305**, and if you desaturate by 10%, it is **81.4877, 0.3395, 0.3793**.

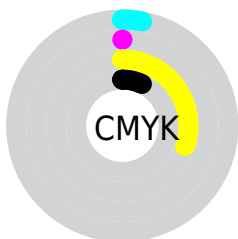
Distribution



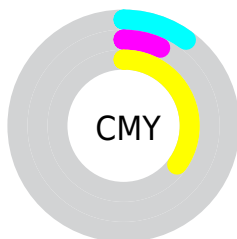
- Red (90%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (68%)



- Cyan (3%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)




- Cyan (10%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1445, 0.3529, 0.4052 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 80.1445, 0.3529, 0.4052 by changing the saturation by 10% instead.

 80.1445, 0.3529,
0.4052

 80.1445, 0.3529,
0.4052


495.4197, 0.3354,
0.3699

 59.8373, 0.3566,
0.4132

 133.5689, 0.3471,
0.3930

 43.2875, 0.3610,
0.4229


 167.4548, 0.3447,
0.3883

 30.1107, 0.3662,
0.4352

206.6358, 0.3427,
0.3842

 19.9227, 0.3725,
0.4509

251.4961, 0.3409,
0.3806

 12.3388, 0.3800,
0.4716

302.4203, 0.3393,
0.3774

 6.9749, 0.3884,
0.4996

359.7927, 0.3378,

 3.4464, 0.4059,

0.3746

0.5519

423.9977, 0.3365,
0.3722

■ 1.3690, 0.4000,
0.6000

■ 0.1937, 0.0000,
1.0000

■ 80.1445, 0.3529,
0.4052

■ 80.1445, 0.3529,
0.4052

■ 78.9739, 0.3657,
0.4305

■ 81.4877, 0.3395,
0.3793

■ 77.9562, 0.3772,
0.4541


■ 83.0010, 0.3260,
0.3537


■ 77.0855, 0.3870,
0.4752


■ 84.6954, 0.3127,
0.3289

■ 76.3508, 0.3945,
0.4926


■ 86.2016, 0.3033,
0.3111


 75.7400, 0.3995,
0.5057


 86.6110, 0.3049,
0.3112

 75.2382, 0.4018,
0.5143

 87.0256, 0.3064,
0.3113

 74.8206, 0.4019,
0.5191

 87.4455, 0.3079,
0.3114

 74.8196, 0.4019,
0.5191

 87.8707, 0.3094,
0.3115

 88.3012, 0.3109,
0.3115

Harmonies

Analogous

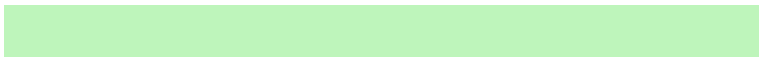
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1445, 0.3848, 0.3913



80.1445, 0.3529, 0.4052



80.1445, 0.3115, 0.3960

Triad

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



80.1445, 0.3529, 0.4052



80.1445, 0.2348, 0.2867



80.1445, 0.3522, 0.2965

Complementary

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



80.1445, 0.3529, 0.4052



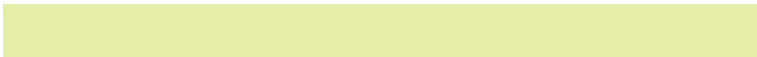
42.2501, 0.2648, 0.2425

Split Complementary

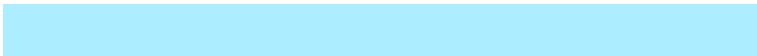
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1445, 0.3094, 0.2724



80.1445, 0.3529, 0.4052



80.1445, 0.2437, 0.2654

Square

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



80.1445, 0.3529, 0.4052



80.1445, 0.2447, 0.3227



80.1445, 0.2701, 0.2611



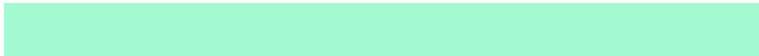
80.1445, 0.3854, 0.3285

Rectangle

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



80.1445, 0.3529, 0.4052



80.1445, 0.2843, 0.3768



80.1445, 0.2701, 0.2611



80.1445, 0.3384, 0.2873

Sweetspot

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



80.1481, 0.3529, 0.4052



98.1832, 0.3247, 0.3513



50.2156, 0.3781, 0.3358



20.9559, 0.3267, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

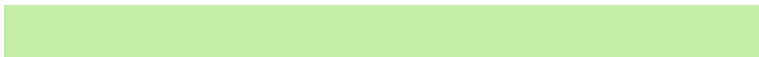
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1481, 0.3529, 0.4052



93.7583, 0.3609, 0.4209



74.9998, 0.3283, 0.4116



17.5473, 0.3253, 0.3524



40.8793, 0.4022, 0.5189



3.2319, 0.4047, 0.5169

Inverse Universe

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



42.2501, 0.2648, 0.2425



42.2826, 0.2529, 0.2217



46.6950, 0.2917, 0.2488



14.6198, 0.2995, 0.3047



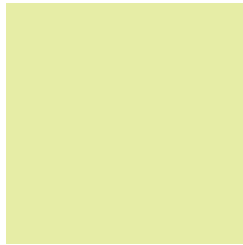
3.4651, 0.1534, 0.0619



0.2961, 0.1613, 0.0662

Previews

White Background



This preview shows how the Yxy color 80.1445, 0.3529, 0.4052 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 80.1445, 0.3529, 0.4052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

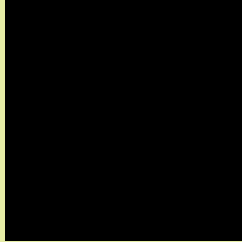
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

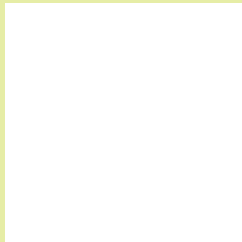
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1445, 0.3529, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 80.1445, 0.3529, 0.4052.

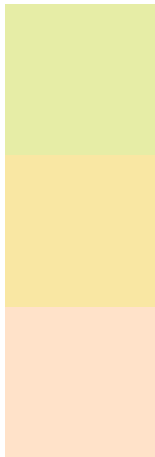


This preview shows how white text looks on a background with the Yxy color 80.1445, 0.3529, 0.4052.

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

80.1445, 0.3529, 0.4052

Protanopia

79.9359, 0.3706, 0.3990

Deuteranopia

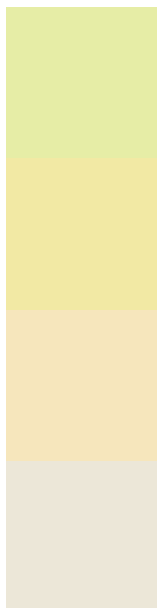
79.8698, 0.3505, 0.3544



Tritanopia

80.0560, 0.3102, 0.3108

Trichromacy



Original Color

80.1445, 0.3529, 0.4052

Protanomaly

79.8354, 0.3641, 0.4012

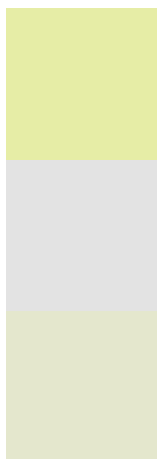
Deuteranomaly

79.8173, 0.3519, 0.3726

Tritanomaly

79.9426, 0.3258, 0.3447

Monochromacy



Original Color

80.1445, 0.3529, 0.4052

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.0536, 0.3274, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1445, 0.3529, 0.4052 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(230, 237, 166)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 166)  
}
```

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(230, 237, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 166) }
```

Border

The CSS property to change the border of an element to Yxy 80.1445, 0.3529, 0.4052 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(230, 237, 166) }
```

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

```
.border{ border-color:rgb(230, 237, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 237, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 166);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1445, 0.3529, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 166) }
```

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

```
.background{ background-color: rgb(230,  
237, 166) }
```

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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