

Converting Colors

$Yxy(79.8401, 0.3517, 0.3884)$

Have a look what the booklet for
Yxy(79.8401, 0.3517, 0.3884)
contains.

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Color

Yxy(80.0245, 0.3517, 0.3893)

Conversions

Conversions Part 1

Format	Color
Hex	EDEAB1
RGB	237, 234, 177
RGB Percent	93%, 92%, 69%
CMY	0.0704, 0.0824, 0.3058
CMYK	0.00, 0.01, 0.25, 0.07
HSL	57°, 63%, 81%
HSV	57°, 25%, 93%
XYZ	72.2954, 80.0245, 53.2400
YIQ	228.3990, 20.0850, -17.0910

Conversions

Conversions Part 2

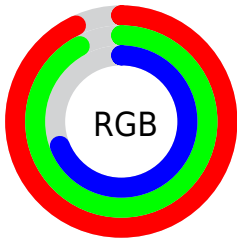
Format	Color
RYB	180, 237, 177
Decimal	15592113
CIELab	91.70, -7.79, 28.12
CIELCh	92, 29.178, 105.485
Yxy	80.0245, 0.3517, 0.3893
Android (android.graphics.Color)	4293782193 (0xFFEDEAB1)
YUV	228.3990, -25.3397, 7.5431
Hunter-Lab	89.4564, -12.2915, 27.3330

Details

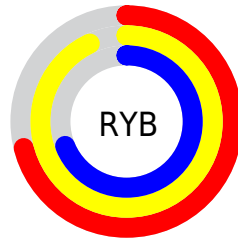
The Yxy color **80.0245, 0.3517, 0.3893** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.1370, 0.2694, 0.2606**, and the grayscale version is **78.0757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **43.1198, 0.3606, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **78.4798, 0.3673, 0.4130**, and if you desaturate by 10%, it is **81.7452, 0.3360, 0.3652**.

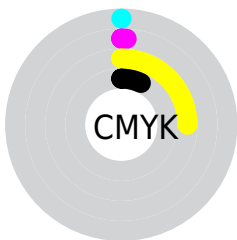
Distribution



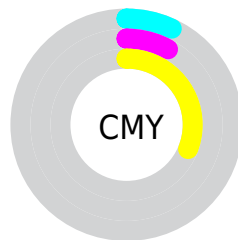
- Red (93%)
- Green (92%)
- Blue (69%)



- Red (71%)
- Yellow (93%)
- Blue (69%)



- Cyan (0%)
- Magenta (1%)
- Yellow (25%)
- Black (7%)




- Cyan (7%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0245, 0.3517, 0.3893 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 80.0245, 0.3517, 0.3893 by changing the saturation by 10% instead.


 80.0245, 0.3517,
0.3893

 80.0245, 0.3517,
0.3893

495.0154, 0.3343,
0.3616

 59.7385, 0.3555,
0.3955

 133.4002, 0.3458,
0.3797

 43.2079, 0.3600,
0.4032


167.2587, 0.3435,
0.3760

 30.0483, 0.3656,
0.4128


206.4101, 0.3415,
0.3728

 19.8752, 0.3725,
0.4251

251.2389, 0.3397,
0.3700

 12.3044, 0.3813,
0.4413

302.1294, 0.3381,
0.3675

 6.9513, 0.3925,
0.4637

359.4661, 0.3367,

 3.4317, 0.4082,

0.3653

0.4977

423.6333, 0.3355,
0.3633

■ 1.3610, 0.4370,
0.5630

■ 0.1877, 0.0000,
1.0000

■ 80.0245, 0.3517,
0.3893

■ 80.0245, 0.3517,
0.3893

■ 78.4798, 0.3673,
0.4130

■ 81.7452, 0.3360,
0.3652

■ 77.0919, 0.3822,
0.4354

■ 83.6391, 0.3206,
0.3413

■ 75.8551, 0.3959,
0.4554

■ 85.7170, 0.3060,
0.3184

■ 74.7591, 0.4076,
0.4721

■ 86.8537, 0.3019,
0.3129

■ 73.7925, 0.4169,
0.4848

■ 87.5606, 0.3019,
0.3141

■ 72.9417, 0.4235,
0.4931

■ 88.2722, 0.3018,
0.3153

■ 72.1902, 0.4274,
0.4970

■ 88.9886, 0.3018,
0.3165

■ 71.8607, 0.4286,
0.4979

■ 89.7096, 0.3018,
0.3177

■ 90.4354, 0.3018,
0.3189

Harmonies

Analogous

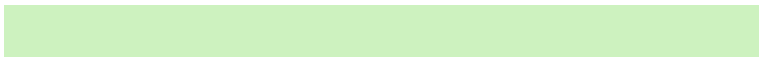
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0245, 0.3745, 0.3760



80.0245, 0.3517, 0.3893



80.0245, 0.3191, 0.3853

Triad

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



80.0245, 0.3517, 0.3893



80.0245, 0.2495, 0.3005



80.0245, 0.3380, 0.2979

Complementary

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



80.0245, 0.3517, 0.3893



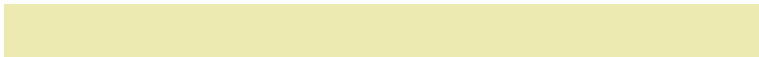
48.1370, 0.2694, 0.2606

Split Complementary

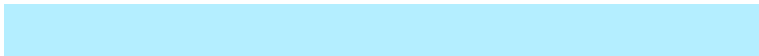
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0245, 0.3033, 0.2798



80.0245, 0.3517, 0.3893



80.0245, 0.2538, 0.2800

Square

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



80.0245, 0.3517, 0.3893



80.0245, 0.2610, 0.3312



80.0245, 0.2729, 0.2731



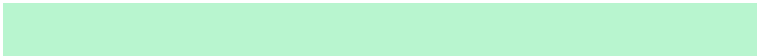
80.0245, 0.3668, 0.3235

Rectangle

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



80.0245, 0.3517, 0.3893



80.0245, 0.2966, 0.3723



80.0245, 0.2729, 0.2731



80.0245, 0.3266, 0.2908

Sweetspot

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



80.0281, 0.3517, 0.3893



98.0955, 0.3247, 0.3477



52.8009, 0.3629, 0.3247



20.9231, 0.3270, 0.3513



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.



80.0281, 0.3517, 0.3893



93.5593, 0.3592, 0.4008



77.6216, 0.3324, 0.3963



17.4881, 0.3269, 0.3511



39.2778, 0.4284, 0.4980



3.1246, 0.4271, 0.4991

Inverse Universe

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



48.1370, 0.2694, 0.2606



50.3590, 0.2599, 0.2454



50.2696, 0.2886, 0.2607



14.6716, 0.2980, 0.3059



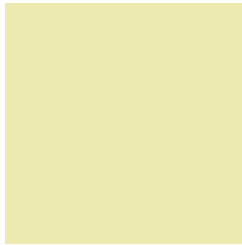
3.5380, 0.1509, 0.0632



0.3212, 0.1533, 0.0719

Previews

White Background



This preview shows how the Yxy color 80.0245, 0.3517, 0.3893 looks on a white background.

Color Contrast Check

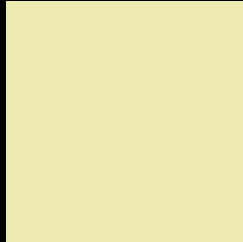
Large Text (above 18pt) WCAG AA × Fail

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 80.0245, 0.3517, 0.3893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

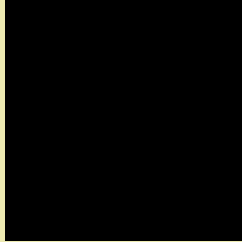
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

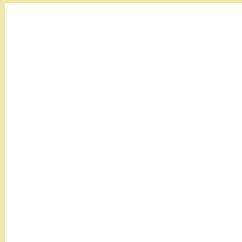
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0245, 0.3517, 0.3893

Background



This preview shows how black text looks on a background with the Yxy color 80.0245, 0.3517, 0.3893.



This preview shows how white text looks on a background with the Yxy color 80.0245, 0.3517, 0.3893.

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

80.0245, 0.3517, 0.3893

Protanopia

80.0606, 0.3605, 0.3860

Deuteranopia

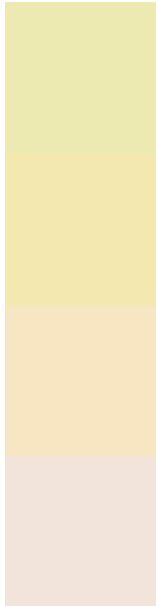
79.9645, 0.3491, 0.3524



Tritanopia

79.7340, 0.3149, 0.3109

Trichromacy



Original Color

80.0245, 0.3517, 0.3893

Protanomaly

79.9025, 0.3573, 0.3876

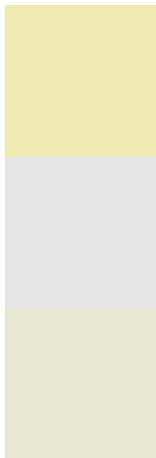
Deuteranomaly

79.8901, 0.3495, 0.3651

Tritanomaly

79.4785, 0.3284, 0.3383

Monochromacy



Original Color

80.0245, 0.3517, 0.3893

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.1860, 0.3270, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0245, 0.3517, 0.3893 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, 234, 177)` looks like.

```
.text, #text, p{  
    color:rgb(237, 234, 177)  
}
```

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, 234, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 234, 177) }
```

Border

The CSS property to change the border of an element to Yxy 80.0245, 0.3517, 0.3893 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, 234, 177) }
```

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

```
.border{ border-color:rgb(237, 234, 177) }
```

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

Here you see how a box with a 4 pixel rgb(237, 234, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 234, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 234, 177);  
box-shadow:4px 4px 4px 4px rgb(237, 234,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0245, 0.3517, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 234, 177) }
```

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

```
.background{ background-color: rgb(237,  
234, 177) }
```

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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