

Converting Colors

$Yxy(80.5236, 0.3268, 0.3511)$

Have a look what the booklet for
Yxy(80.5236, 0.3268, 0.3511)
contains.

Yxy(80.5237, 0.3268, 0.3511)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.5237, 0.3268, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	EAE9D4
RGB	234, 233, 212
RGB Percent	92%, 91%, 83%
CMY	0.0824, 0.0862, 0.1687
CMYK	0.00, 0.00, 0.09, 0.08
HSL	57°, 34%, 87%
HSV	57°, 9%, 92%
XYZ	74.9506, 80.5237, 73.8726
YIQ	230.9050, 7.3370, -6.3190

Conversions

Conversions Part 2

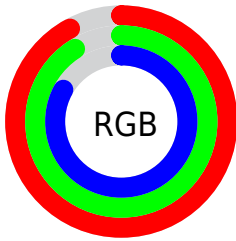
Format	Color
R_{YB}	213, 234, 212
Decimal	15395284
CIE _{Lab}	91.92, -3.23, 10.33
CIE _{LCh}	92, 10.822, 107.383
Yxy	80.5237, 0.3268, 0.3511
Android (android.graphics.Color)	4293585364 (0xFFEAE9D4)
YUV	230.9050, -9.3202, 2.7143
Hunter-Lab	89.7350, -7.9453, 14.0051

Details

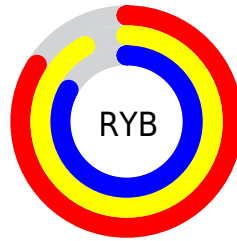
The Yxy color **80.5237, 0.3268, 0.3511** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **67.5099, 0.2981, 0.3059**, and the grayscale version is **79.9040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3436, 0.3302, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **78.8419, 0.3423, 0.3753**, and if you desaturate by 10%, it is **82.3872, 0.3118, 0.3276**.

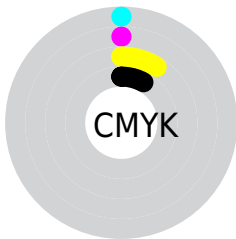
Distribution



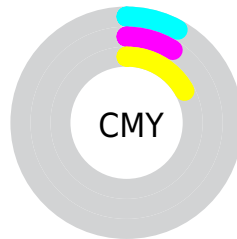
- Red (92%)
- Green (91%)
- Blue (83%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5237, 0.3268, 0.3511 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 80.5237, 0.3268, 0.3511 by changing the saturation by 10% instead.

80.5237, 0.3268,
0.3511

80.5237, 0.3268,
0.3511

496.6960, 0.3204,
0.3410

60.1494, 0.3282,
0.3534

134.1018, 0.3246,
0.3476

43.5391, 0.3300,
0.3562

168.0743, 0.3238,
0.3463

30.3083, 0.3321,
0.3597

207.3485, 0.3230,
0.3451

20.0727, 0.3349,
0.3643

252.3085, 0.3224,
0.3440

12.4479, 0.3387,
0.3705

303.3389, 0.3218,
0.3431

7.0495, 0.3439,
0.3794

360.8240, 0.3213,

3.4931, 0.3517,

0.3423

425.1482, 0.3208,
0.3416

0.3929

1.3943, 0.3667,
0.4187

0.2125, 0.3667,
0.6333

80.5237, 0.3268,
0.3511

80.5237, 0.3268,
0.3511

78.8419, 0.3423,
0.3753

82.3872, 0.3118,
0.3276

77.3238, 0.3580,
0.3994

84.1822, 0.2999,
0.3090

75.9652, 0.3733,
0.4228

84.7815, 0.2999,
0.3100

74.7574, 0.3876,
0.4444

85.3842, 0.2999,
0.3111

73.6913, 0.4003,
0.4633

85.9905, 0.2999,
0.3122

72.7564, 0.4109,
0.4785

86.6003, 0.2999,
0.3132

71.9408, 0.4190,
0.4895

87.2136, 0.2999,
0.3143

71.2306, 0.4243,
0.4960

87.8305, 0.2999,
0.3153

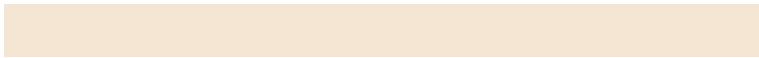
70.6033, 0.4273,
0.4987

88.4509, 0.2999,
0.3164

Harmonies

Analogous

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



80.5237, 0.3352, 0.3474



80.5237, 0.3268, 0.3511



80.5237, 0.3147, 0.3487

Triad

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



80.5237, 0.3268, 0.3511



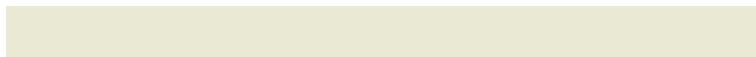
80.5237, 0.2885, 0.3184



80.5237, 0.3230, 0.3177

Complementary

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



80.5237, 0.3268, 0.3511



67.5099, 0.2981, 0.3059

Split Complementary

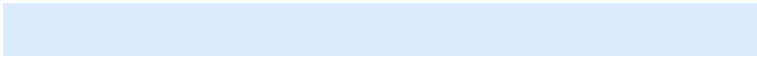
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5237, 0.3103, 0.3103



80.5237, 0.3268, 0.3511



80.5237, 0.2906, 0.3105

Square

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



80.5237, 0.3268, 0.3511



80.5237, 0.2928, 0.3295



80.5237, 0.2985, 0.3076



80.5237, 0.3330, 0.3281

Rectangle

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



80.5237, 0.3268, 0.3511



80.5237, 0.3062, 0.3439



80.5237, 0.2985, 0.3076



80.5237, 0.3189, 0.3148

Sweetspot

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



80.5272, 0.3268, 0.3511



99.2997, 0.3172, 0.3360



69.3821, 0.3284, 0.3279



21.2149, 0.3184, 0.3379



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

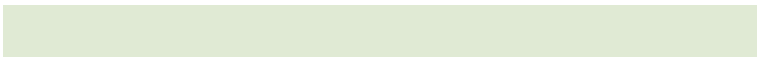
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5272, 0.3268, 0.3511



97.5282, 0.3293, 0.3551



79.4549, 0.3198, 0.3526



17.5051, 0.3269, 0.3513



39.7096, 0.4273, 0.4989



3.1538, 0.4261, 0.4999

Inverse Universe

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



67.5099, 0.2981, 0.3059



79.1398, 0.2953, 0.3015



68.5349, 0.3051, 0.3053



14.6565, 0.2980, 0.3057



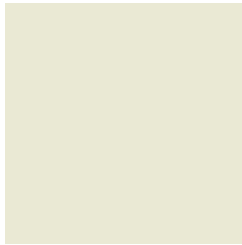
3.5134, 0.1508, 0.0628



0.3139, 0.1529, 0.0705

Previews

White Background



This preview shows how the Yxy color 80.5237, 0.3268, 0.3511 looks on a white background.

Color Contrast Check

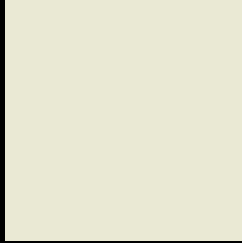
Large Text (above 18pt) WCAG AA × Fail

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 80.5237, 0.3268, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

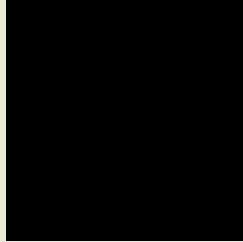
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

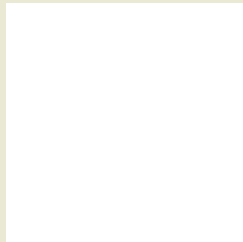
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5237, 0.3268, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 80.5237, 0.3268, 0.3511.

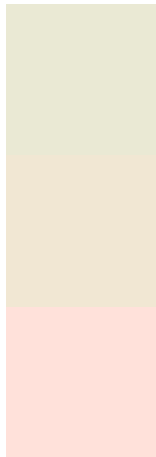


This preview shows how white text looks on a background with the Yxy color 80.5237, 0.3268, 0.3511.

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

80.5237, 0.3268, 0.3511

Protanopia

80.5557, 0.3326, 0.3498

Deuteranopia

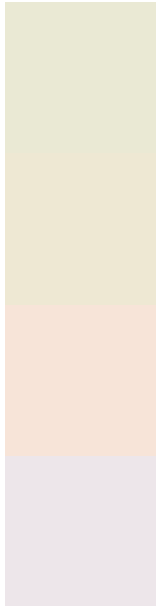
80.1724, 0.3388, 0.3361



Tritanopia

80.4913, 0.3088, 0.3108

Trichromacy



Original Color

80.5237, 0.3268, 0.3511

Protanomaly

80.5935, 0.3304, 0.3509

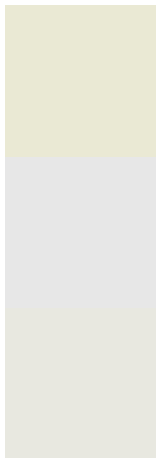
Deuteranomaly

80.2188, 0.3340, 0.3413

Tritanomaly

80.5387, 0.3150, 0.3249

Monochromacy



Original Color

80.5237, 0.3268, 0.3511

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.2508, 0.3178, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5237, 0.3268, 0.3511 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(234, 233, 212)` looks like.

```
.text, #text, p{  
    color:rgb(234, 233, 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(234, 233, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 233, 212) }
```

Border

The CSS property to change the border of an element to Yxy 80.5237, 0.3268, 0.3511 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(234, 233, 212) }
```

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

```
.border{ border-color:rgb(234, 233, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 233, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 233, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 233, 212);  
box-shadow:4px 4px 4px 4px rgb(234, 233,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5237, 0.3268, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 233, 212) }
```

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

```
.background{ background-color: rgb(234,  
233, 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