

Converting Colors

Yxy(81.7132, 0.3461, 0.3816)

Have a look what the booklet for
Yxy(81.7132, 0.3461, 0.3816)
contains.

Yxy(81.7132, 0.3461, 0.3816)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.7132, 0.3461, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	EEECBA
RGB	238, 236, 186
RGB Percent	93%, 93%, 73%
CMY	0.0667, 0.0745, 0.2707
CMYK	0.00, 0.01, 0.22, 0.07
HSL	58°, 60%, 83%
HSV	58°, 22%, 93%
XYZ	74.1115, 81.7132, 58.3084
YIQ	230.8980, 17.2420, -15.1260

Conversions

Conversions Part 2

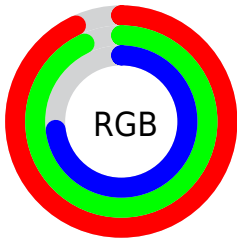
Format	Color
R _Y B	188, 238, 186
Decimal	15658170
CIE Lab	92.45, -7.24, 24.57
CIE LCh	92, 25.612, 106.427
Yxy	81.7132, 0.3461, 0.3816
Android (android.graphics.Color)	4293848250 (0xFFEEECBA)
YUV	230.8980, -22.1347, 6.2285
Hunter-Lab	90.3954, -11.8470, 25.0324

Details

The Yxy color **81.7132, 0.3461, 0.3816** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.5526, 0.2760, 0.2703**, and the grayscale version is **79.9886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **44.2811, 0.3534, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **80.2705, 0.3616, 0.4058**, and if you desaturate by 10%, it is **83.3344, 0.3306, 0.3572**.

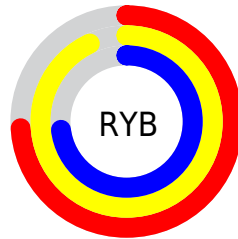
Distribution



Red (93%)

Green (93%)

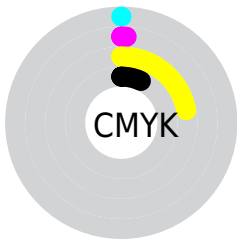
Blue (73%)



Red (74%)

Yellow (93%)

Blue (73%)

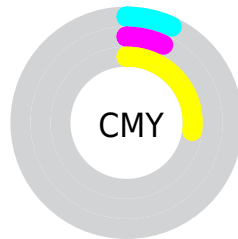


Cyan (0%)

Magenta (1%)

Yellow (22%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7132, 0.3461, 0.3816 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 81.7132, 0.3461, 0.3816 by changing the saturation by 10% instead.

81.7132, 0.3461,
0.3816

81.7132, 0.3461,
0.3816

500.6879, 0.3312,
0.3575

61.1292, 0.3493,
0.3870

135.7717, 0.3411,
0.3733

44.3294, 0.3533,
0.3937

170.0150, 0.3391,
0.3700

30.9296, 0.3581,
0.4020

209.5802, 0.3373,
0.3672

20.5452, 0.3641,
0.4128

254.8516, 0.3358,
0.3648

12.7920, 0.3719,
0.4270

306.2137, 0.3345,
0.3626

7.2855, 0.3820,
0.4468

364.0508, 0.3333,

3.6413, 0.3953,

0.3607

0.4756

428.7474, 0.3322,
0.3590

■ 1.4750, 0.4419,
0.5581

■ 0.2710, 0.2296,
0.7704

■ 81.7132, 0.3461,
0.3816

■ 81.7132, 0.3461,
0.3816

■ 80.2705, 0.3616,
0.4058

■ 83.3344, 0.3306,
0.3572

■ 78.9869, 0.3767,
0.4290

■ 85.1308, 0.3154,
0.3333

■ 77.8572, 0.3905,
0.4501

■ 86.9596, 0.3025,
0.3128

■ 76.8712, 0.4026,
0.4682


■ 87.4873, 0.3025,
0.3137

 76.0179, 0.4125,
0.4825


 88.0175, 0.3024,
0.3146

 75.2845, 0.4196,
0.4924


 88.5504, 0.3024,
0.3155

 74.6555, 0.4241,
0.4979

 89.0859, 0.3024,
0.3164

 74.2003, 0.4262,
0.4998

 89.6241, 0.3024,
0.3173

 90.1649, 0.3024,
0.3182

Harmonies

Analogous

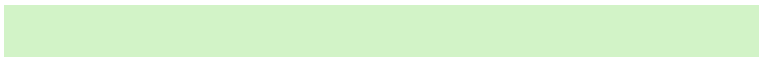
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7132, 0.3662, 0.3708



81.7132, 0.3461, 0.3816



81.7132, 0.3176, 0.3773

Triad

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



81.7132, 0.3461, 0.3816



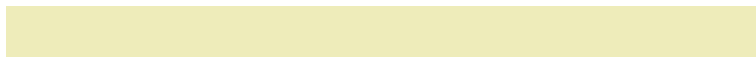
81.7132, 0.2571, 0.3037



81.7132, 0.3357, 0.3023

Complementary

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



81.7132, 0.3461, 0.3816



52.5526, 0.2760, 0.2703

Split Complementary

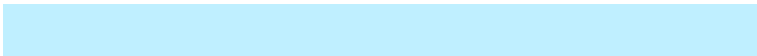
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7132, 0.3056, 0.2861



81.7132, 0.3461, 0.3816



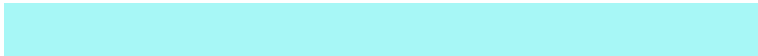
81.7132, 0.2613, 0.2858

Square

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



81.7132, 0.3461, 0.3816



81.7132, 0.2669, 0.3302



81.7132, 0.2786, 0.2799



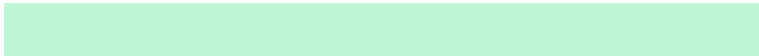
81.7132, 0.3604, 0.3252

Rectangle

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



81.7132, 0.3461, 0.3816



81.7132, 0.2979, 0.3658



81.7132, 0.2786, 0.2799



81.7132, 0.3259, 0.2960

Sweetspot

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



81.7168, 0.3461, 0.3816



98.4731, 0.3232, 0.3456



56.9393, 0.3550, 0.3263



21.0502, 0.3241, 0.3470



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.



81.7168, 0.3461, 0.3816



94.8513, 0.3527, 0.3920



79.0658, 0.3292, 0.3865



18.3504, 0.3269, 0.3515



41.4490, 0.4261, 0.4999



3.4799, 0.4251, 0.5007

Inverse Universe

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



52.5526, 0.2760, 0.2703



55.3529, 0.2678, 0.2572



54.8924, 0.2931, 0.2709



15.3245, 0.2979, 0.3055



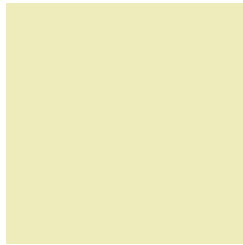
3.5947, 0.1507, 0.0624



0.3326, 0.1524, 0.0686

Previews

White Background



This preview shows how the Yxy color 81.7132, 0.3461, 0.3816 looks on a white background.

Color Contrast Check

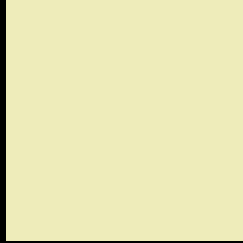
Large Text (above 18pt) WCAG AA × Fail

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 81.7132, 0.3461, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

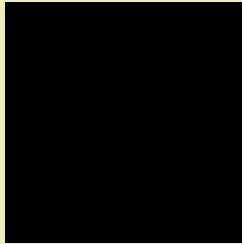
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7132, 0.3461, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 81.7132, 0.3461, 0.3816.



This preview shows how white text looks on a background with the Yxy color 81.7132, 0.3461, 0.3816.

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

81.7132, 0.3461, 0.3816

Protanopia

81.6950, 0.3554, 0.3795

Deuteranopia

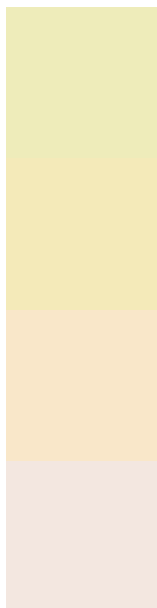
81.3999, 0.3439, 0.3472



Tritanopia

81.7335, 0.3136, 0.3111

Trichromacy



Original Color

81.7132, 0.3461, 0.3816

Protanomaly

81.5815, 0.3515, 0.3799

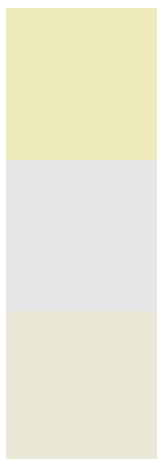
Deuteranomaly

81.5086, 0.3451, 0.3598

Tritanomaly

81.5883, 0.3255, 0.3362

Monochromacy



Original Color

81.7132, 0.3461, 0.3816

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.6765, 0.3249, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7132, 0.3461, 0.3816 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(238, 236, 186)` looks like.

```
.text, #text, p{  
    color:rgb(238, 236, 186)  
}
```

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(238, 236, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 186) }
```

Border

The CSS property to change the border of an element to Yxy 81.7132, 0.3461, 0.3816 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(238, 236, 186) }
```

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

```
.border{ border-color:rgb(238, 236, 186) }
```

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

Here you see how a box with a 4 pixel rgb(238, 236, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 236, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 236, 186);  
box-shadow:4px 4px 4px 4px rgb(238, 236,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7132, 0.3461, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 236, 186) }
```

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

```
.background{ background-color: rgb(238,  
236, 186) }
```

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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