

Converting Colors

$Yxy(81.4163, 0.3655, 0.3835)$

Have a look what the booklet for
Yxy(81.4163, 0.3655, 0.3835)
contains.

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Color

Yxy(81.5862, 0.3657, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7B1
RGB	255, 231, 177
RGB Percent	100%, 91%, 69%
CMY	0.0002, 0.0940, 0.3058
CMYK	0.00, 0.09, 0.31, 0.00
HSL	42°, 100%, 85%
HSV	42°, 31%, 100%
XYZ	77.7386, 81.5862, 53.2500
YIQ	232.0200, 31.6380, -11.7060

Conversions

Conversions Part 2

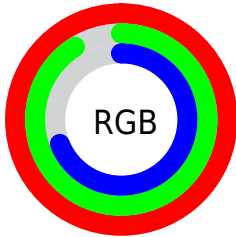
Format	Color
R_{YB}	212, 255, 177
Decimal	16770993
CIE Lab	92.39, 0.39, 29.31
CIE LCh	92, 29.312, 89.242
Yxy	81.5862, 0.3657, 0.3838
Android (android.graphics.Color)	4294961073 (0xFFFFE7B1)
YUV	232.0200, -27.1249, 20.1535
Hunter-Lab	90.3251, -4.4422, 28.2739

Details

The Yxy color **81.5862, 0.3657, 0.3838** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.3091, 0.2615, 0.2673**, and the grayscale version is **80.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **44.3762, 0.3768, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **76.3819, 0.3856, 0.4019**, and if you desaturate by 10%, it is **87.1838, 0.3469, 0.3654**.

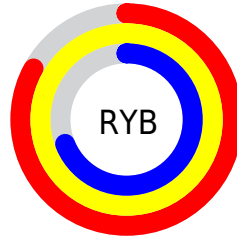
Distribution



Red (100%)

Green (91%)

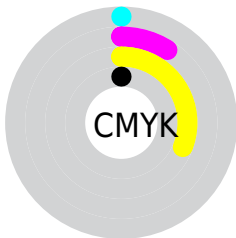
Blue (69%)



Red (83%)

Yellow (100%)

Blue (69%)

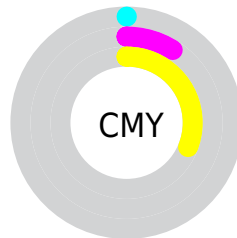


Cyan (0%)

Magenta (9%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5862, 0.3657, 0.3838 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 81.5862, 0.3657, 0.3838 by changing the saturation by 10% instead.


 81.5862, 0.3657,
0.3838

 81.5862, 0.3657,
0.3838


500.2625, 0.3419,
0.3592

 61.0245, 0.3709,
0.3892


 135.5936, 0.3576,
0.3754

 44.2449, 0.3773,
0.3957


169.8080, 0.3544,
0.3721

 30.8631, 0.3851,
0.4038


209.3422, 0.3516,
0.3693

 20.4946, 0.3949,
0.4139

254.5805, 0.3492,
0.3668

 12.7551, 0.4076,
0.4269

305.9072, 0.3470,
0.3645

 7.2601, 0.4242,
0.4438

363.7069, 0.3451,

 3.6253, 0.4480,

0.3626

0.4681

428.3639, 0.3434,
0.3608

■ 1.4663, 0.4897,
0.5103

■ 0.2648, 0.4965,
0.5035

■ 81.5862, 0.3657,
0.3838

■ 81.5862, 0.3657,
0.3838

■ 76.3819, 0.3856,
0.4019

■ 87.1838, 0.3469,
0.3654

■ 71.5467, 0.4062,
0.4188

■ 93.1757, 0.3294,
0.3473

■ 67.0700, 0.4265,
0.4335

■ 99.5773, 0.3136,
0.3300

■ 62.9361, 0.4458,
0.4448

■ 99.9904, 0.3127,
0.3290

■ 59.1275, 0.4630,
0.4516

■ 55.6237, 0.4772,
0.4534

■ 52.5694, 0.4878,
0.4509

Harmonies

Analogous

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



81.5862, 0.3800, 0.3636



81.5862, 0.3657, 0.3838



81.5862, 0.3374, 0.3897

Triad

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



81.5862, 0.3657, 0.3838



81.5862, 0.2539, 0.3163



81.5862, 0.3193, 0.2869

Complementary

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



81.5862, 0.3657, 0.3838



58.3091, 0.2615, 0.2673

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.



81.5862, 0.2858, 0.2747



81.5862, 0.3657, 0.3838



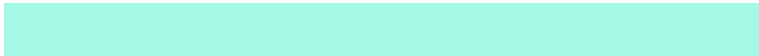
81.5862, 0.2496, 0.2896

Square

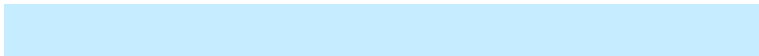
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5862, 0.3657, 0.3838



81.5862, 0.2732, 0.3491



81.5862, 0.2609, 0.2752



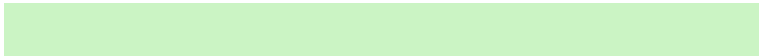
81.5862, 0.3525, 0.3090

Rectangle

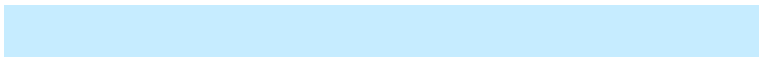
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5862, 0.3657, 0.3838



81.5862, 0.3148, 0.3833



81.5862, 0.2609, 0.2752



81.5862, 0.3076, 0.2816

Sweetspot

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



81.5899, 0.3657, 0.3838



94.1959, 0.3269, 0.3445



56.9486, 0.3601, 0.3035



19.9677, 0.3293, 0.3471



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

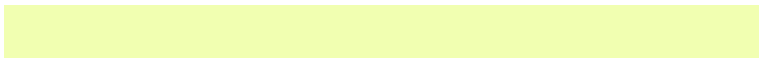
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5899, 0.3657, 0.3838



78.2329, 0.3784, 0.3955



93.3037, 0.3493, 0.4082



20.0943, 0.3277, 0.3454



27.7577, 0.4864, 0.4520



2.8964, 0.4769, 0.4596

Inverse Universe

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



58.3091, 0.2615, 0.2673



51.4209, 0.2497, 0.2517



49.7805, 0.2681, 0.2412



18.2871, 0.2979, 0.3120



6.8710, 0.1614, 0.1010



0.8526, 0.1675, 0.1230

Previews

White Background



This preview shows how the Yxy color 81.5862, 0.3657, 0.3838 looks on a white background.

Color Contrast Check

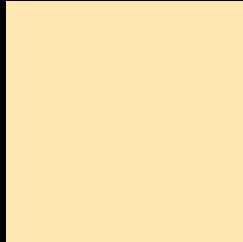
Large Text (above 18pt) WCAG AA × Fail

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 81.5862, 0.3657, 0.3838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

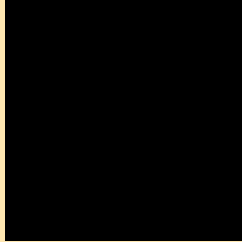
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.5862, 0.3657, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 81.5862, 0.3657, 0.3838.



This preview shows how white text looks on a background with the Yxy color 81.5862, 0.3657, 0.3838.

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

81.5862, 0.3657, 0.3838

Protanopia

81.6319, 0.3601, 0.3855

Deuteranopia

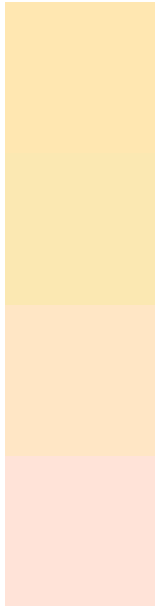
81.8527, 0.3450, 0.3502



Tritanopia

81.2835, 0.3252, 0.3162

Trichromacy



Original Color

81.5862, 0.3657, 0.3838

Protanomaly

81.4368, 0.3618, 0.3843

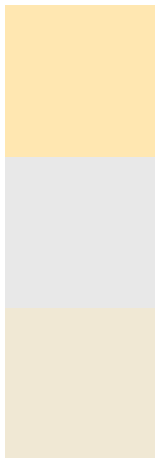
Deuteranomaly

81.8848, 0.3524, 0.3624

Tritanomaly

81.1560, 0.3399, 0.3401

Monochromacy



Original Color

81.5862, 0.3657, 0.3838

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.9920, 0.3311, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5862, 0.3657, 0.3838 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(255, 231, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 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(255, 231, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 177) }
```

Border

The CSS property to change the border of an element to Yxy 81.5862, 0.3657, 0.3838 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(255, 231, 177) }
```

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

```
.border{ border-color:rgb(255, 231, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5862, 0.3657, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 177) }
```

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

```
.background{ background-color: rgb(255,  
231, 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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