

Converting Colors

$Yxy(87.7652, 0.3727, 0.3581)$

Have a look what the booklet for
Yxy(87.7652, 0.3727, 0.3581)
contains.

Yxy(81.9771, 0.3510, 0.3604)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.9771, 0.3510, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6C7
RGB	255, 230, 199
RGB Percent	100%, 90%, 78%
CMY	0.0001, 0.0980, 0.2196
CMYK	0.00, 0.10, 0.22, 0.00
HSL	33°, 100%, 89%
HSV	33°, 22%, 100%
XYZ	79.8390, 81.9771, 65.6454
YIQ	233.9410, 24.8510, -4.3410

Conversions

Conversions Part 2

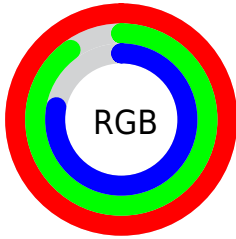
Format	Color
R _Y B	244, 255, 199
Decimal	16770759
CIE Lab	92.56, 3.82, 18.22
CIE LCh	93, 18.618, 78.170
Yxy	81.9771, 0.3510, 0.3604
Android (android.graphics.Color)	4294960839 (0xFFFFE6C7)
YUV	233.9410, -17.2259, 18.4687
Hunter-Lab	90.5412, -1.0463, 20.3916

Details

The Yxy color $81.9771, 0.3510, 0.3604$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $72.6506, 0.2775, 0.2954$, and the grayscale version is $82.3515, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.7100, 0.3598, 0.3678$ is the 20% darker color. If you saturate the color by 10%, you get $74.7698, 0.3719, 0.3754$, and if you desaturate by 10%, it is $89.8031, 0.3323, 0.3457$.

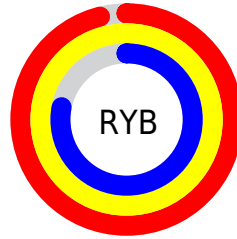
Distribution



Red (100%)

Green (90%)

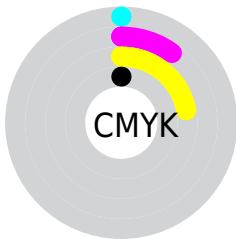
Blue (78%)



Red (96%)

Yellow (100%)

Blue (78%)

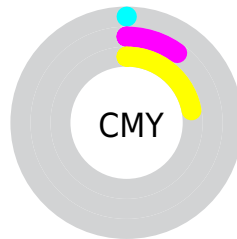


Cyan (0%)

Magenta (10%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9771, 0.3510, 0.3604 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 81.9771, 0.3510, 0.3604 by changing the saturation by 10% instead.


 81.9771, 0.3510,
0.3604

 81.9771, 0.3510,
0.3604

501.5711, 0.3336,
0.3463

 61.3467, 0.3549,
0.3635

136.1419, 0.3450,
0.3556

 44.5050, 0.3596,
0.3672

170.4450, 0.3427,
0.3537

 31.0677, 0.3656,
0.3719


210.0745, 0.3407,
0.3521

 20.6504, 0.3732,
0.3778

255.4148, 0.3389,
0.3507

 12.8687, 0.3834,
0.3856

306.8501, 0.3373,
0.3494

 7.3382, 0.3974,
0.3961

364.7651, 0.3360,

 3.6745, 0.4180,

0.3483

0.4108

429.5439, 0.3347,
0.3473

■ 1.4932, 0.4729,
0.4540

■ 0.2839, 0.5611,
0.4389

■ 81.9771, 0.3510,
0.3604

■ 81.9771, 0.3510,
0.3604

■ 74.7698, 0.3719,
0.3754

■ 89.8031, 0.3323,
0.3457

■ 68.1524, 0.3948,
0.3902

■ 98.2534, 0.3157,
0.3316

■ 62.1098, 0.4194,
0.4039

■ 99.9958, 0.3127,
0.3290

■ 56.6219, 0.4449,
0.4154

■ 51.6669, 0.4701,
0.4234

■ 47.2208, 0.4935,
0.4268

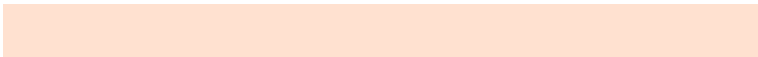
■ 43.2559, 0.5138,
0.4246

■ 40.3867, 0.5275,
0.4194

Harmonies

Analogous

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



81.9771, 0.3555, 0.3457



81.9771, 0.3510, 0.3604



81.9771, 0.3361, 0.3671

Triad

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



81.9771, 0.3510, 0.3604



81.9771, 0.2785, 0.3289



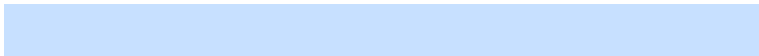
81.9771, 0.3090, 0.2978

Complementary

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



81.9771, 0.3510, 0.3604



72.6506, 0.2775, 0.2954

Split Complementary

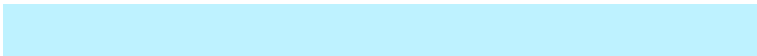
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9771, 0.2889, 0.2929



81.9771, 0.3510, 0.3604



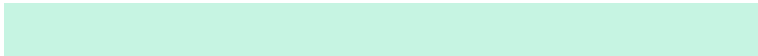
81.9771, 0.2718, 0.3100

Square

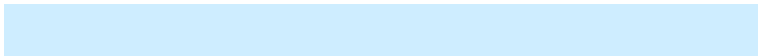
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9771, 0.3510, 0.3604



81.9771, 0.2943, 0.3488



81.9771, 0.2755, 0.2971



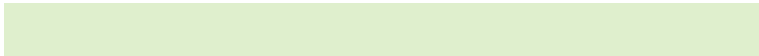
81.9771, 0.3307, 0.3103

Rectangle

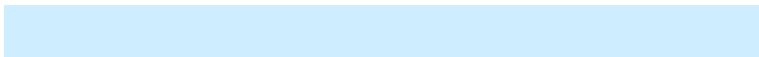
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9771, 0.3510, 0.3604



81.9771, 0.3225, 0.3656



81.9771, 0.2755, 0.2971



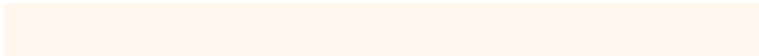
81.9771, 0.3018, 0.2952

Sweetspot

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



81.9808, 0.3510, 0.3604



93.9293, 0.3238, 0.3386



67.4935, 0.3379, 0.3035



19.9958, 0.3248, 0.3395



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.



81.9808, 0.3510, 0.3604



79.0069, 0.3592, 0.3665



96.3581, 0.3441, 0.3843



19.6561, 0.3280, 0.3422



21.4098, 0.5252, 0.4212



2.3027, 0.5098, 0.4334

Inverse Universe

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



72.6506, 0.2775, 0.2954



68.2810, 0.2707, 0.2884



60.5924, 0.2773, 0.2677



18.7113, 0.2979, 0.3155



10.3145, 0.1722, 0.1398



1.2183, 0.1782, 0.1616

Previews

White Background



This preview shows how the Yxy color 81.9771, 0.3510, 0.3604 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 81.9771, 0.3510, 0.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

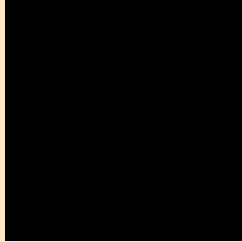
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

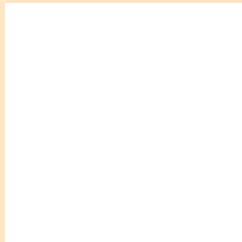
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9771, 0.3510, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 81.9771, 0.3510, 0.3604.

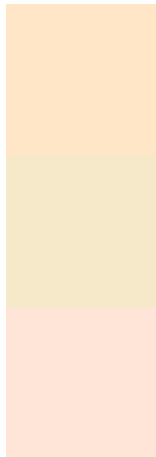


This preview shows how white text looks on a background with the Yxy color 81.9771, 0.3510, 0.3604.

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

81.9771, 0.3510, 0.3604

Protanopia

82.0877, 0.3426, 0.3620

Deuteranopia

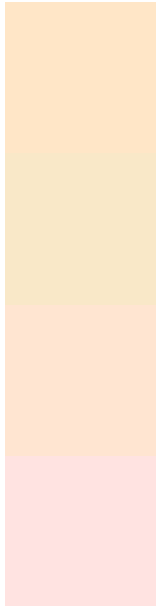
82.2049, 0.3403, 0.3431



Tritanopia

81.9440, 0.3238, 0.3153

Trichromacy



Original Color

81.9771, 0.3510, 0.3604

Protanomaly

82.0231, 0.3456, 0.3618

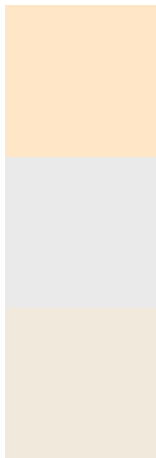
Deuteranomaly

81.9021, 0.3444, 0.3492

Tritanomaly

81.6344, 0.3338, 0.3311

Monochromacy



Original Color

81.9771, 0.3510, 0.3604

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3755, 0.3265, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9771, 0.3510, 0.3604 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, 230, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 199)  
}
```

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, 230, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 199) }
```

Border

The CSS property to change the border of an element to Yxy 81.9771, 0.3510, 0.3604 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, 230, 199) }
```

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

```
.border{ border-color:rgb(255, 230, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9771, 0.3510, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 199) }
```

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

```
.background{ background-color: rgb(255,  
230, 199) }
```

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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