

Converting Colors

$Y_{xy}(100.0000, 0.4004, 0.3464)$

Have a look what the booklet for
Yxy(100.0000, 0.4004, 0.3464)
contains.

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Color

Yxy(81.8527, 0.3450, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5D0
RGB	255, 229, 208
RGB Percent	100%, 90%, 82%
CMY	0.0001, 0.1019, 0.1842
CMYK	0.00, 0.10, 0.18, 0.00
HSL	27°, 100%, 91%
HSV	27°, 18%, 100%
XYZ	80.6373, 81.8527, 71.2413
YIQ	234.3800, 22.2370, -1.0190

Conversions

Conversions Part 2

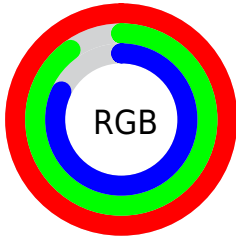
Format	Color
R _Y B	255, 246, 208
Decimal	16770512
CIE Lab	92.51, 5.62, 13.46
CIE LCh	93, 14.584, 67.331
Yxy	81.8527, 0.3450, 0.3502
Android (android.graphics.Color)	4294960592 (0xFFFFE5D0)
YUV	234.3800, -13.0053, 18.0837
Hunter-Lab	90.4725, 0.7686, 16.6437

Details

The Yxy color **81.8527, 0.3450, 0.3502** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.4646, 0.2837, 0.3068**, and the grayscale version is **82.6709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6110, 0.3520, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **73.2131, 0.3664, 0.3624**, and if you desaturate by 10%, it is **91.3348, 0.3264, 0.3384**.

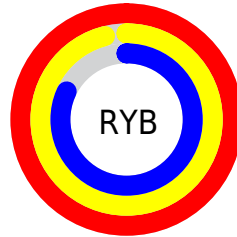
Distribution



Red (100%)

Green (90%)

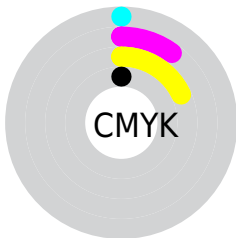
Blue (82%)



Red (100%)

Yellow (96%)

Blue (82%)

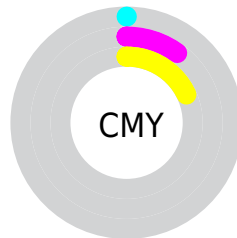


Cyan (0%)

Magenta (10%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8527, 0.3450, 0.3502 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 81.8527, 0.3450, 0.3502 by changing the saturation by 10% instead.


 81.8527, 0.3450,
0.3502

 81.8527, 0.3450,
0.3502


501.1548, 0.3303,
0.3408

 61.2441, 0.3483,
0.3523


135.9674, 0.3399,
0.3470

 44.4222, 0.3523,
0.3548


170.2424, 0.3380,
0.3457

 31.0026, 0.3574,
0.3579


209.8415, 0.3363,
0.3446

 20.6008, 0.3640,
0.3619

255.1493, 0.3348,
0.3437

 12.8325, 0.3728,
0.3671

306.5502, 0.3334,
0.3428

 7.3133, 0.3851,
0.3742

364.4285, 0.3323,

 3.6588, 0.4036,

0.3420

0.3843

429.1685, 0.3312,
0.3414

■ 1.4846, 0.4403,
0.4050

■ 0.2779, 0.5909,
0.4091

■ 81.8527, 0.3450,
0.3502

■ 81.8527, 0.3450,
0.3502

■ 73.2131, 0.3664,
0.3624

■ 91.3348, 0.3264,
0.3384

■ 65.3804, 0.3906,
0.3747

99.9933, 0.3127,
0.3290

■ 58.3324, 0.4177,
0.3863

■ 52.0414, 0.4469,
0.3962

■ 46.4780, 0.4773,
0.4032

■ 41.6102, 0.5070,
0.4060

■ 37.4022, 0.5338,
0.4035

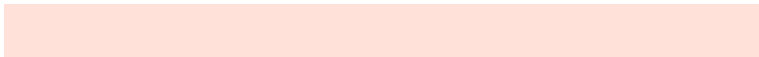
■ 33.8107, 0.5560,
0.3956

■ 33.2895, 0.5593,
0.3941

Harmonies

Analogous

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



81.8527, 0.3451, 0.3373



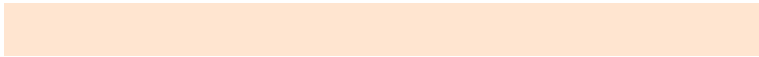
81.8527, 0.3450, 0.3502



81.8527, 0.3361, 0.3579

Triad

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



81.8527, 0.3450, 0.3502



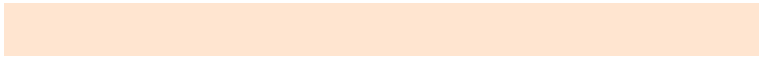
81.8527, 0.2896, 0.3348



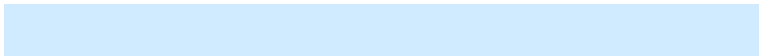
81.8527, 0.3038, 0.3022

Complementary

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



81.8527, 0.3450, 0.3502



79.4646, 0.2837, 0.3068

Split Complementary

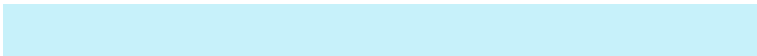
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8527, 0.2894, 0.3009



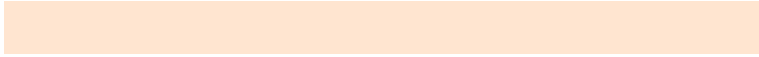
81.8527, 0.3450, 0.3502



81.8527, 0.2814, 0.3193

Square

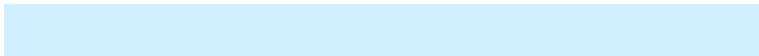
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8527, 0.3450, 0.3502



81.8527, 0.3040, 0.3491



81.8527, 0.2814, 0.3070



81.8527, 0.3209, 0.3101

Rectangle

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



81.8527, 0.3450, 0.3502



81.8527, 0.3265, 0.3587



81.8527, 0.2814, 0.3070



81.8527, 0.2985, 0.3009

Sweetspot

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



81.8564, 0.3450, 0.3502



93.7748, 0.3223, 0.3357



72.3558, 0.3291, 0.3025



19.9307, 0.3234, 0.3364



0.0000, 0.0000, 0.0000



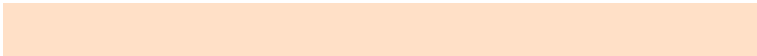
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8564, 0.3450, 0.3502



78.6821, 0.3523, 0.3546



95.3263, 0.3411, 0.3721



19.3243, 0.3283, 0.3397



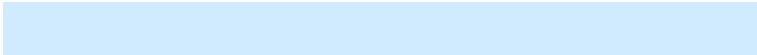
17.6875, 0.5565, 0.3963



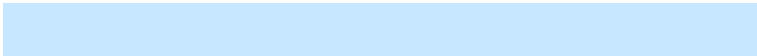
1.9363, 0.5371, 0.4118

Inverse Universe

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



79.4646, 0.2837, 0.3068



75.8948, 0.2779, 0.3020



67.2990, 0.2823, 0.2819



19.0430, 0.2979, 0.3181



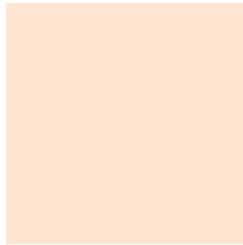
14.0257, 0.1821, 0.1754



1.5838, 0.1873, 0.1944

Previews

White Background



This preview shows how the Yxy color 81.8527, 0.3450, 0.3502 looks on a white background.

Color Contrast Check

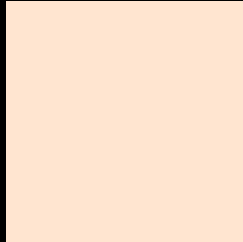
Large Text (above 18pt) WCAG AA × Fail

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 81.8527, 0.3450, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

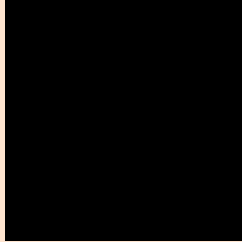
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8527, 0.3450, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 81.8527, 0.3450, 0.3502.

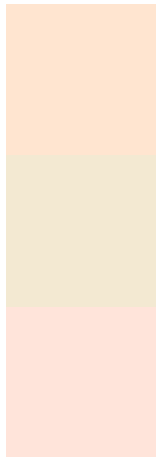


This preview shows how white text looks on a background with the Yxy color 81.8527, 0.3450, 0.3502.

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

81.8527, 0.3450, 0.3502

Protanopia

81.9857, 0.3345, 0.3527

Deuteranopia

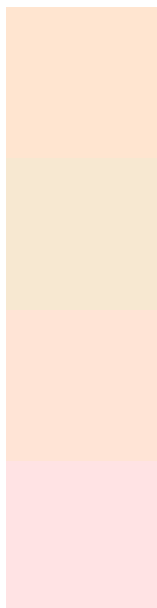
81.8088, 0.3384, 0.3391



Tritanopia

81.9440, 0.3238, 0.3153

Trichromacy



Original Color

81.8527, 0.3450, 0.3502

Protanomaly

82.0908, 0.3381, 0.3526

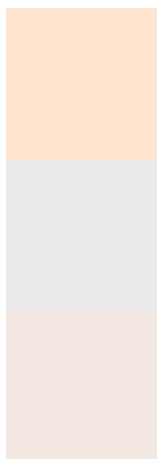
Deuteranomaly

81.6018, 0.3411, 0.3431

Tritanomaly

81.7996, 0.3317, 0.3281

Monochromacy



Original Color

81.8527, 0.3450, 0.3502

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.0267, 0.3240, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8527, 0.3450, 0.3502 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, 229, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 208)  
}
```

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, 229, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 208) }
```

Border

The CSS property to change the border of an element to Yxy 81.8527, 0.3450, 0.3502 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, 229, 208) }
```

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

```
.border{ border-color:rgb(255, 229, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8527, 0.3450, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 208) }
```

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

```
.background{ background-color: rgb(255,  
229, 208) }
```

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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