

Converting Colors

$Y_{xy}(86.9436, 0.3736, 0.3626)$

Have a look what the booklet for
Yxy(86.9436, 0.3736, 0.3626)
contains.

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Color

Yxy(81.7487, 0.3544, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6C2
RGB	255, 230, 194
RGB Percent	100%, 90%, 76%
CMY	0.0001, 0.0980, 0.2392
CMYK	0.00, 0.10, 0.24, 0.00
HSL	35°, 100%, 88%
HSV	35°, 24%, 100%
XYZ	79.2660, 81.7487, 62.6479
YIQ	233.3710, 26.4560, -5.8960

Conversions

Conversions Part 2

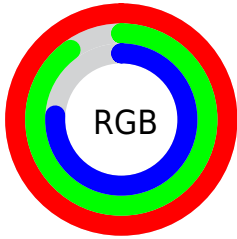
Format	Color
R _Y B	236, 255, 194
Decimal	16770754
CIE Lab	92.46, 3.12, 20.66
CIE LCh	92, 20.895, 81.411
Yxy	81.7487, 0.3544, 0.3655
Android (android.graphics.Color)	4294960834 (0xFFFFE6C2)
YUV	233.3710, -19.4099, 18.9686
Hunter-Lab	90.4150, -1.7368, 22.2089

Details

The Yxy color **81.7487, 0.3544, 0.3655** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.3329, 0.2740, 0.2895**, and the grayscale version is **81.9140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **44.5592, 0.3642, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **75.0667, 0.3752, 0.3815**, and if you desaturate by 10%, it is **88.9824, 0.3356, 0.3498**.

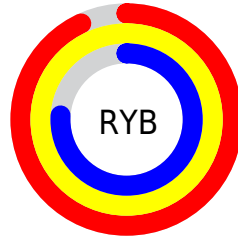
Distribution



Red (100%)

Green (90%)

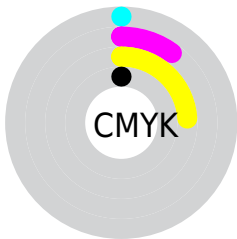
Blue (76%)



Red (93%)

Yellow (100%)

Blue (76%)

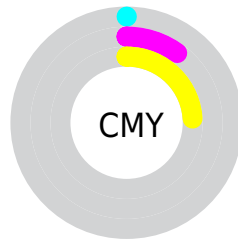


Cyan (0%)

Magenta (10%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7487, 0.3544, 0.3655 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 81.7487, 0.3544, 0.3655 by changing the saturation by 10% instead.


 81.7487, 0.3544,
0.3655

 81.7487, 0.3544,
0.3655


500.8067, 0.3355,
0.3491

 61.1584, 0.3586,
0.3691

 135.8215, 0.3479,
0.3599

 44.3530, 0.3638,
0.3735


170.0729, 0.3454,
0.3577

 30.9481, 0.3702,
0.3789


209.6467, 0.3432,
0.3558

 20.5594, 0.3784,
0.3858

254.9274, 0.3413,
0.3542

 12.8023, 0.3893,
0.3947

306.2993, 0.3396,
0.3527

 7.2925, 0.4043,
0.4068

364.1469, 0.3381,

 3.6457, 0.4258,

0.3514

0.4236

428.8546, 0.3367,
0.3502

■ 1.4774, 0.4965,
0.4845

■ 0.2728, 0.5515,
0.4485

■ 81.7487, 0.3544,
0.3655

■ 81.7487, 0.3544,
0.3655

■ 75.0667, 0.3752,
0.3815

■ 88.9824, 0.3356,
0.3498

■ 68.9093, 0.3976,
0.3970

■ 96.7720, 0.3188,
0.3347

■ 63.2631, 0.4213,
0.4111

99.9935, 0.3127,
0.3290

■ 58.1096, 0.4453,
0.4228

■ 53.4287, 0.4686,
0.4308

■ 49.1980, 0.4896,
0.4339

■ 45.3912, 0.5074,
0.4316

■ 43.2592, 0.5167,
0.4279

Harmonies

Analogous

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



81.7487, 0.3609, 0.3497



81.7487, 0.3544, 0.3655



81.7487, 0.3366, 0.3720

Triad

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



81.7487, 0.3544, 0.3655



81.7487, 0.2730, 0.3263



81.7487, 0.3111, 0.2953

Complementary

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



81.7487, 0.3544, 0.3655



69.3329, 0.2740, 0.2895

Split Complementary

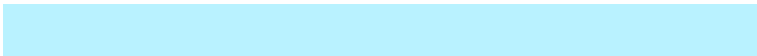
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7487, 0.2881, 0.2888



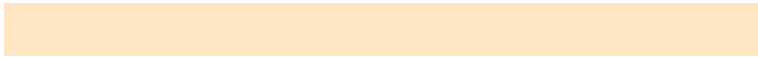
81.7487, 0.3544, 0.3655



81.7487, 0.2668, 0.3055

Square

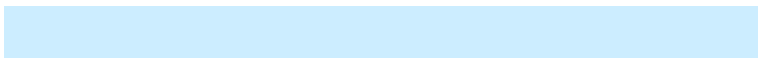
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7487, 0.3544, 0.3655



81.7487, 0.2897, 0.3490



81.7487, 0.2722, 0.2922



81.7487, 0.3354, 0.3099

Rectangle

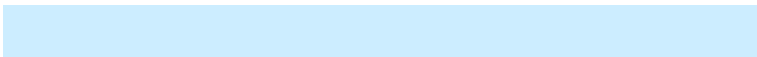
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7487, 0.3544, 0.3655



81.7487, 0.3210, 0.3695



81.7487, 0.2722, 0.2922



81.7487, 0.3030, 0.2921

Sweetspot

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



81.7524, 0.3544, 0.3655



94.3298, 0.3238, 0.3393



64.9798, 0.3423, 0.3032



20.0886, 0.3248, 0.3402



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.



81.7524, 0.3544, 0.3655



78.3033, 0.3647, 0.3736



95.6967, 0.3455, 0.3896



19.7708, 0.3279, 0.3430



22.9119, 0.5147, 0.4296



2.4460, 0.5008, 0.4406

Inverse Universe

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



69.3329, 0.2740, 0.2895



63.7971, 0.2653, 0.2798



57.9630, 0.2751, 0.2618



18.5987, 0.2979, 0.3146



9.2616, 0.1691, 0.1286



1.1103, 0.1753, 0.1509

Previews

White Background



This preview shows how the Yxy color 81.7487, 0.3544, 0.3655 looks on a white background.

Color Contrast Check

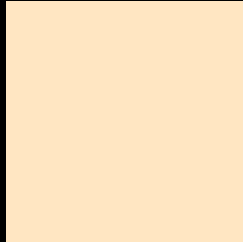
Large Text (above 18pt) WCAG AA × Fail

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 81.7487, 0.3544, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

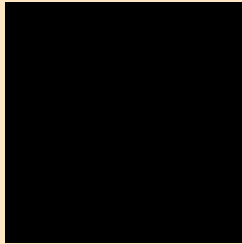
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7487, 0.3544, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 81.7487, 0.3544, 0.3655.

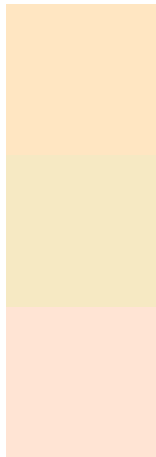


This preview shows how white text looks on a background with the Yxy color 81.7487, 0.3544, 0.3655.

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

81.7487, 0.3544, 0.3655

Protanopia

81.8108, 0.3466, 0.3682

Deuteranopia

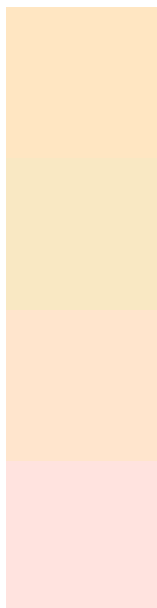
81.5003, 0.3425, 0.3452



Tritanopia

81.8847, 0.3245, 0.3162

Trichromacy



Original Color

81.7487, 0.3544, 0.3655

Protanomaly

81.7931, 0.3489, 0.3670

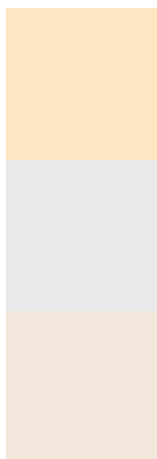
Deuteranomaly

81.7064, 0.3471, 0.3533

Tritanomaly

81.5259, 0.3351, 0.3331

Monochromacy



Original Color

81.7487, 0.3544, 0.3655

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.5285, 0.3273, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7487, 0.3544, 0.3655 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 194) }
```

Border

The CSS property to change the border of an element to Yxy 81.7487, 0.3544, 0.3655 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, 194) }
```

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

```
.border{ border-color:rgb(255, 230, 194) }
```

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, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7487, 0.3544, 0.3655 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, 194) }
```

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

```
.background{ background-color: rgb(255,  
230, 194) }
```

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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