

Converting Colors

$Y_{xy}(86.7578, 0.3623, 0.3906)$

Have a look what the booklet for
Yxy(86.7578, 0.3623, 0.3906)
contains.

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Color

Yxy(86.7945, 0.3625, 0.3912)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0B2
RGB	255, 240, 178
RGB Percent	100%, 94%, 70%
CMY	0.0002, 0.0588, 0.3019
CMYK	0.00, 0.06, 0.30, 0.00
HSL	48°, 100%, 85%
HSV	48°, 30%, 100%
XYZ	80.4269, 86.7945, 54.6459
YIQ	237.4170, 28.8420, -16.1020

Conversions

Conversions Part 2

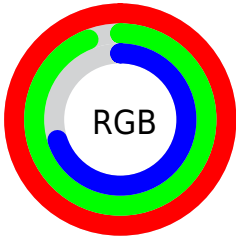
Format	Color
R_{YB}	197, 255, 178
Decimal	16773298
CIE _{Lab}	94.65, -4.02, 31.84
CIE _{LCh}	95, 32.092, 97.197
Yxy	86.7945, 0.3625, 0.3912
Android (android.graphics.Color)	4294963378 (0xFFFFF0B2)
YUV	237.4170, -29.2926, 15.4203
Hunter-Lab	93.1636, -8.9395, 30.4374

Details

The Yxy color **86.7945, 0.3625, 0.3912** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.8113, 0.2610, 0.2579**, and the grayscale version is **85.2400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **47.6320, 0.3724, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **82.9912, 0.3803, 0.4117**, and if you desaturate by 10%, it is **90.8756, 0.3451, 0.3702**.

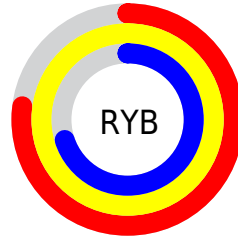
Distribution



Red (100%)

Green (94%)

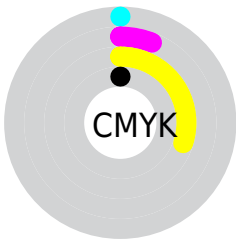
Blue (70%)



Red (77%)

Yellow (100%)

Blue (70%)

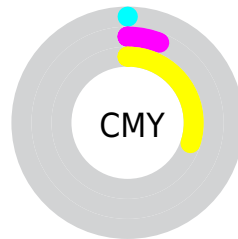


Cyan (0%)

Magenta (6%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7945, 0.3625, 0.3912 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 86.7945, 0.3625, 0.3912 by changing the saturation by 10% instead.


 86.7945, 0.3625,
0.3912

 86.7945, 0.3625,
0.3912

517.5474, 0.3405,
0.3633

 65.3252, 0.3672,
0.3973

 142.8777, 0.3551,
0.3817

 47.7248, 0.3729,
0.4047


178.2603, 0.3522,
0.3780

 33.6090, 0.3798,
0.4137


219.0495, 0.3496,
0.3748

 22.5934, 0.3883,
0.4252

265.6296, 0.3474,
0.3719

 14.2936, 0.3990,
0.4398

318.3850, 0.3454,
0.3694

 8.3251, 0.4127,
0.4591

377.7002, 0.3436,

 4.3037, 0.4304,

0.3671

0.4855

443.9595, 0.3420,
0.3651

■ 1.8448, 0.4642,
0.5358

■ 0.5149, 0.4318,
0.5682

■ 86.7945, 0.3625,
0.3912

■ 86.7945, 0.3625,
0.3912

■ 82.9912, 0.3803,
0.4117

■ 90.8756, 0.3451,
0.3702

■ 79.4427, 0.3980,
0.4309

■ 95.2331, 0.3285,
0.3494

■ 76.1406, 0.4148,
0.4475

99.8805, 0.3130,
0.3293

■ 73.0716, 0.4299,
0.4607

99.9924, 0.3127,
0.3290

■ 70.2199, 0.4425,
0.4696

■ 67.5674, 0.4523,
0.4736

■ 65.1264, 0.4593,
0.4735

Harmonies

Analogous

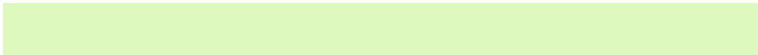
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7945, 0.3826, 0.3726



86.7945, 0.3625, 0.3912



86.7945, 0.3296, 0.3927

Triad

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



86.7945, 0.3625, 0.3912



86.7945, 0.2470, 0.3066



86.7945, 0.3296, 0.2895

Complementary

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



86.7945, 0.3625, 0.3912



54.8113, 0.2610, 0.2579

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.



86.7945, 0.2928, 0.2733



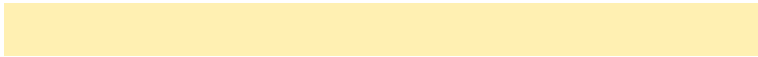
86.7945, 0.3625, 0.3912



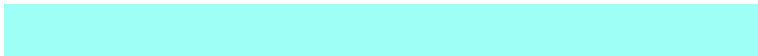
86.7945, 0.2469, 0.2812

Square

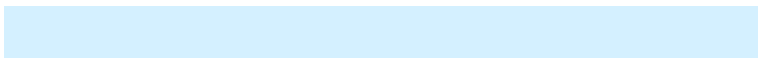
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7945, 0.3625, 0.3912



86.7945, 0.2635, 0.3411



86.7945, 0.2631, 0.2699



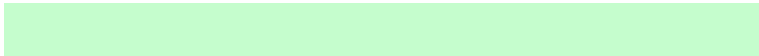
86.7945, 0.3634, 0.3149

Rectangle

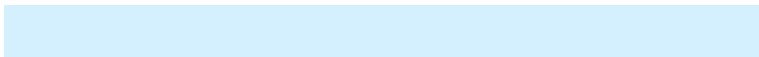
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7945, 0.3625, 0.3912



86.7945, 0.3052, 0.3823



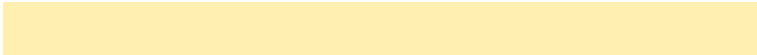
86.7945, 0.2631, 0.2699



86.7945, 0.3171, 0.2828

Sweetspot

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



86.7984, 0.3625, 0.3912



95.7979, 0.3266, 0.3470



56.9722, 0.3672, 0.3131



20.3641, 0.3289, 0.3500



0.0000, 0.0000, 0.0000



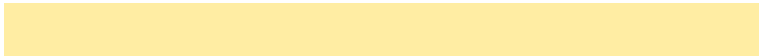
21.4041, 0.3127, 0.3290

Same Dimension

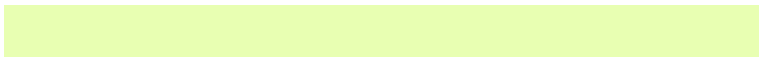
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7984, 0.3625, 0.3912



84.5786, 0.3729, 0.4033



91.8457, 0.3428, 0.4088



20.4558, 0.3274, 0.3480



34.2546, 0.4585, 0.4742



3.4816, 0.4532, 0.4784

Inverse Universe

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



54.8113, 0.2610, 0.2579



48.0875, 0.2498, 0.2415



51.5007, 0.2752, 0.2440



17.9487, 0.2979, 0.3092



5.1048, 0.1551, 0.0784



0.6396, 0.1604, 0.0973

Previews

White Background



This preview shows how the Yxy color 86.7945, 0.3625, 0.3912 looks on a white background.

Color Contrast Check

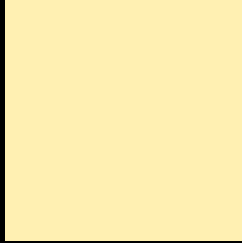
Large Text (above 18pt) WCAG AA × Fail

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 86.7945, 0.3625, 0.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

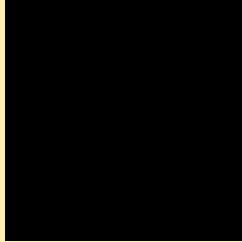
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7945, 0.3625, 0.3912

Background



This preview shows how black text looks on a background with the Yxy color 86.7945, 0.3625, 0.3912.

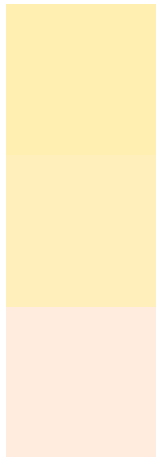


This preview shows how white text looks on a background with the Yxy color 86.7945, 0.3625, 0.3912.

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

86.7945, 0.3625, 0.3912

Protanopia

86.5382, 0.3576, 0.3822

Deuteranopia

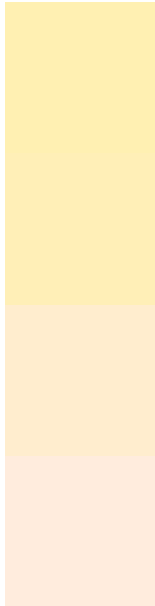
86.5248, 0.3346, 0.3429



Tritanopia

86.6982, 0.3199, 0.3183

Trichromacy



Original Color

86.7945, 0.3625, 0.3912

Protanomaly

86.4119, 0.3596, 0.3853

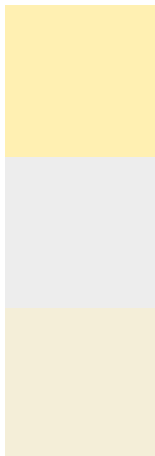
Deuteranomaly

86.2846, 0.3450, 0.3601

Tritanomaly

86.4714, 0.3353, 0.3439

Monochromacy



Original Color

86.7945, 0.3625, 0.3912

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.3400, 0.3306, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7945, 0.3625, 0.3912 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, 240, 178)` looks like.

```
.text, #text, p{  
  color:rgb(255, 240, 178)  
}
```

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, 240, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 178) }
```

Border

The CSS property to change the border of an element to Yxy 86.7945, 0.3625, 0.3912 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, 240, 178) }
```

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

```
.border{ border-color:rgb(255, 240, 178) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7945, 0.3625, 0.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 178) }
```

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

```
.background{ background-color: rgb(255,  
240, 178) }
```

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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