

Converting Colors

$Y_{xy}(100.0000, 0.3757, 0.3731)$

Have a look what the booklet for
Yxy(100.0000, 0.3757, 0.3731)
contains.

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Color

Yxy(91.8587, 0.3482, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7C6
RGB	255, 247, 198
RGB Percent	100%, 97%, 78%
CMY	0.0000, 0.0314, 0.2234
CMYK	0.00, 0.03, 0.22, 0.00
HSL	52°, 100%, 89%
HSV	52°, 22%, 100%
XYZ	84.7066, 91.8587, 66.7046
YIQ	243.8060, 20.4970, -13.5430

Conversions

Conversions Part 2

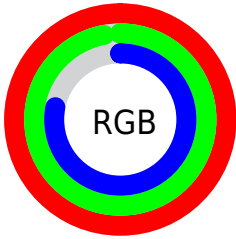
Format	Color
RYB	207, 255, 198
Decimal	16775110
CIELab	96.76, -4.88, 24.56
CIELCh	97, 25.036, 101.235
Yxy	91.8587, 0.3482, 0.3776
Android (android.graphics.Color)	4294965190 (0xFFFFF7C6)
YUV	243.8060, -22.5824, 9.8171
Hunter-Lab	95.8429, -9.9658, 25.8255

Details

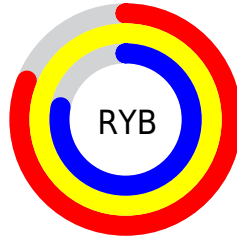
The Yxy color **91.8587, 0.3482, 0.3776** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.3861, 0.2754, 0.2752**, and the grayscale version is **90.4729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.2810, 0.3556, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **88.6047, 0.3650, 0.3998**, and if you desaturate by 10%, it is **95.3458, 0.3318, 0.3555**.

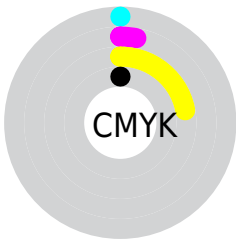
Distribution



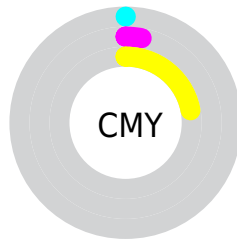
- Red (100%)
- Green (97%)
- Blue (78%)



- Red (81%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (3%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.8587, 0.3482, 0.3776 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 91.8587, 0.3482, 0.3776 by changing the saturation by 10% instead.


 91.8587, 0.3482,
0.3776

 91.8587, 0.3482,
0.3776


534.0588, 0.3326,
0.3559

 69.5233, 0.3515,
0.3824


149.9175, 0.3430,
0.3702

 51.1380, 0.3556,
0.3881


186.4097, 0.3409,
0.3673

 36.3184, 0.3605,
0.3953


228.3897, 0.3391,
0.3648

 24.6802, 0.3666,
0.4043

276.2417, 0.3375,
0.3626

 15.8390, 0.3745,
0.4161

330.3502, 0.3361,
0.3606

 9.4103, 0.3848,
0.4321

391.0996, 0.3348,

 5.0097, 0.3986,

0.3589

0.4545

458.8744, 0.3337,
0.3573

■ 2.2530, 0.4298,
0.5025

■ 0.7487, 0.4418,
0.5582

■ 91.8587, 0.3482,
0.3776

■ 91.8587, 0.3482,
0.3776

■ 88.6047, 0.3650,
0.3998

■ 95.3458, 0.3318,
0.3555

■ 85.5844, 0.3819,
0.4211

■ 99.0862, 0.3162,
0.3339

■ 82.7832, 0.3981,
0.4406

■ 100.0000, 0.3127,
0.3290

■ 80.1889, 0.4129,
0.4574

■ 77.7882, 0.4257,
0.4704

■ 75.5653, 0.4359,
0.4789

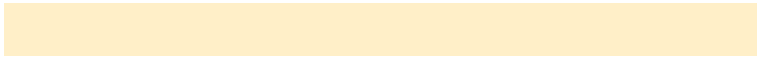
■ 73.5014, 0.4431,
0.4828

■ 72.0077, 0.4470,
0.4832

Harmonies

Analogous

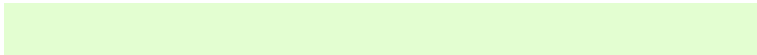
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8587, 0.3650, 0.3655



91.8587, 0.3482, 0.3776



91.8587, 0.3223, 0.3761

Triad

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



91.8587, 0.3482, 0.3776



91.8587, 0.2610, 0.3092



91.8587, 0.3296, 0.3006

Complementary

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



91.8587, 0.3482, 0.3776



63.3861, 0.2754, 0.2752

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.



91.8587, 0.3013, 0.2867



91.8587, 0.3482, 0.3776



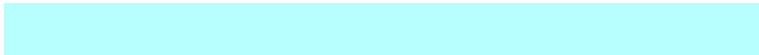
91.8587, 0.2627, 0.2906

Square

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



91.8587, 0.3482, 0.3776



91.8587, 0.2724, 0.3348



91.8587, 0.2770, 0.2829



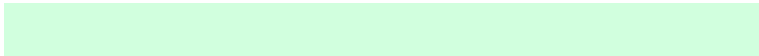
91.8587, 0.3542, 0.3215

Rectangle

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



91.8587, 0.3482, 0.3776



91.8587, 0.3035, 0.3668



91.8587, 0.2770, 0.2829



91.8587, 0.3202, 0.2951

Sweetspot

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



91.8552, 0.3482, 0.3776



97.3130, 0.3233, 0.3438



66.1426, 0.3518, 0.3203



20.7807, 0.3243, 0.3451



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

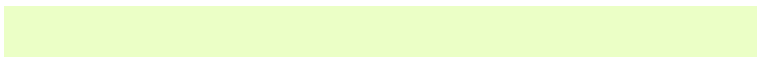
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.8552, 0.3482, 0.3776



90.3125, 0.3560, 0.3880



93.2703, 0.3333, 0.3875



20.6297, 0.3273, 0.3493



37.7930, 0.4465, 0.4837



3.7941, 0.4429, 0.4865

Inverse Universe

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



63.3861, 0.2754, 0.2752



57.0794, 0.2666, 0.2622



62.5186, 0.2884, 0.2685



17.7894, 0.2979, 0.3079



4.5509, 0.1530, 0.0709



0.5618, 0.1576, 0.0872

Previews

White Background



This preview shows how the Yxy color 91.8587, 0.3482, 0.3776 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 91.8587, 0.3482, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

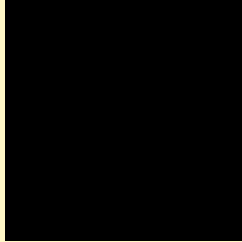
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.8587, 0.3482, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 91.8587, 0.3482, 0.3776.

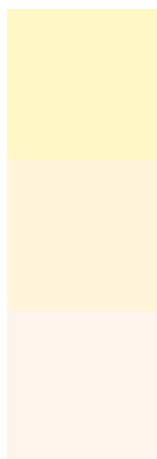


This preview shows how white text looks on a background with the Yxy color 91.8587, 0.3482, 0.3776.

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

91.8587, 0.3482, 0.3776

Protanopia

91.6268, 0.3359, 0.3557

Deuteranopia

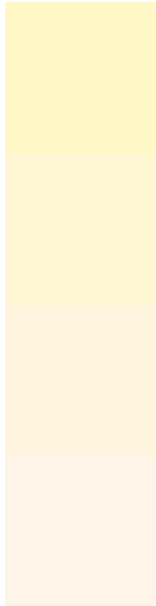
92.0758, 0.3242, 0.3358



Tritanopia

91.7925, 0.3151, 0.3194

Trichromacy



Original Color

91.8587, 0.3482, 0.3776

Protanomaly

91.8747, 0.3402, 0.3636

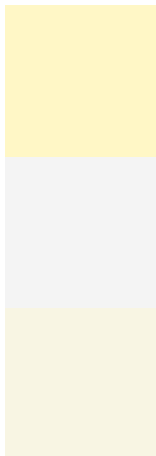
Deuteranomaly

91.8925, 0.3328, 0.3507

Tritanomaly

91.7876, 0.3273, 0.3408

Monochromacy



Original Color

91.8587, 0.3482, 0.3776

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.8073, 0.3256, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.8587, 0.3482, 0.3776 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, 247, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 198)  
}
```

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, 247, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 198) }
```

Border

The CSS property to change the border of an element to Yxy 91.8587, 0.3482, 0.3776 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, 247, 198) }
```

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

```
.border{ border-color:rgb(255, 247, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 91.8587, 0.3482, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 198) }
```

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

```
.background{ background-color: rgb(255,  
247, 198) }
```

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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