

Converting Colors

$Y_{xy}(100.0000, 0.3908, 0.4055)$

Have a look what the booklet for
Yxy(100.0000, 0.3908, 0.4055)
contains.

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Color

Yxy(93.0075, 0.3667, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBA6
RGB	255, 251, 166
RGB Percent	100%, 98%, 65%
CMY	0.0000, 0.0157, 0.3490
CMYK	0.00, 0.02, 0.35, 0.00
HSL	57°, 100%, 83%
HSV	57°, 35%, 100%
XYZ	82.6208, 93.0075, 49.6806
YIQ	242.5060, 29.6690, -25.5870

Conversions

Conversions Part 2

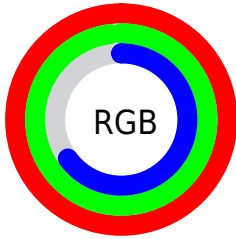
Format	Color
RYB	170, 255, 166
Decimal	16776102
CIELab	97.23, -10.88, 41.25
CIElCh	97, 42.664, 104.772
Yxy	93.0075, 0.3667, 0.4128
Android (android.graphics.Color)	4294966182 (0xFFFFFBA6)
YUV	242.5060, -37.7175, 10.9572
Hunter-Lab	96.4404, -15.8492, 36.9654

Details

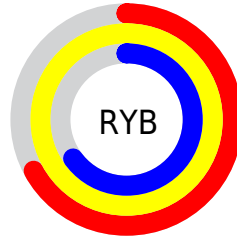
The Yxy color **93.0075, 0.3667, 0.4128** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.0815, 0.2498, 0.2286**, and the grayscale version is **89.5057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **52.0928, 0.3765, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **91.4539, 0.3816, 0.4354**, and if you desaturate by 10%, it is **94.7594, 0.3511, 0.3889**.

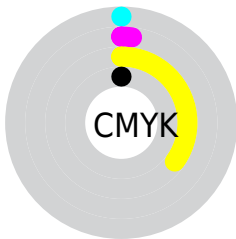
Distribution



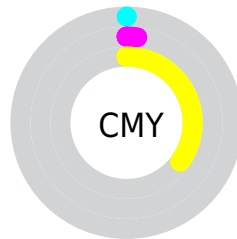
- Red (100%)
- Green (98%)
- Blue (65%)



- Red (67%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (2%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0075, 0.3667, 0.4128 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 93.0075, 0.3667, 0.4128 by changing the saturation by 10% instead.


 93.0075, 0.3667,
0.4128

 93.0075, 0.3667,
0.4128


537.7663, 0.3438,
0.3755

 70.4777, 0.3714,
0.4209


 151.5090, 0.3592,
0.4002

 51.9161, 0.3769,
0.4306

 188.2495, 0.3561,
0.3952

 36.9382, 0.3834,
0.4424


230.4957, 0.3534,
0.3908

 25.1597, 0.3910,
0.4571

278.6321, 0.3511,
0.3870

 16.1960, 0.4000,
0.4756

333.0429, 0.3489,
0.3836

 9.6630, 0.4101,
0.4992

394.1126, 0.3470,

 5.1761, 0.4242,

0.3806

0.5346

462.2256, 0.3453,
0.3779

■ 2.3509, 0.4286,
0.5714

■ 0.8005, 0.3822,
0.6178

■ 93.0075, 0.3667,
0.4128

■ 93.0075, 0.3667,
0.4128

■ 91.4539, 0.3816,
0.4354

■ 94.7594, 0.3511,
0.3889

■ 90.0749, 0.3952,
0.4556

■ 96.7070, 0.3354,
0.3645

■ 88.8626, 0.4068,
0.4726

■ 98.8640, 0.3200,
0.3405

■ 87.8031, 0.4160,
0.4854

99.9998, 0.3127,
0.3290

■ 86.8805, 0.4225,
0.4938

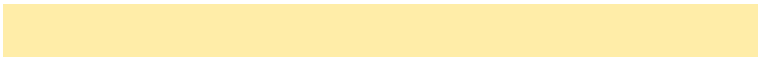
■ 86.0751, 0.4263,
0.4979

■ 85.6947, 0.4275,
0.4987

Harmonies

Analogous

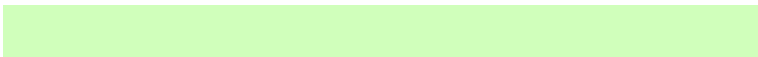
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0075, 0.3986, 0.3918



93.0075, 0.3667, 0.4128



93.0075, 0.3217, 0.4095

Triad

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



93.0075, 0.3667, 0.4128



93.0075, 0.2269, 0.2893



93.0075, 0.3463, 0.2858

Complementary

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



93.0075, 0.3667, 0.4128



44.0815, 0.2498, 0.2286

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.



93.0075, 0.2980, 0.2621



93.0075, 0.3667, 0.4128



93.0075, 0.2321, 0.2618

Square

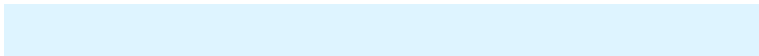
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.0075, 0.3667, 0.4128



93.0075, 0.2422, 0.3322



93.0075, 0.2570, 0.2531



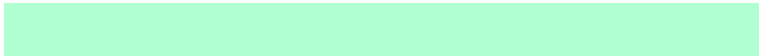
93.0075, 0.3875, 0.3196

Rectangle

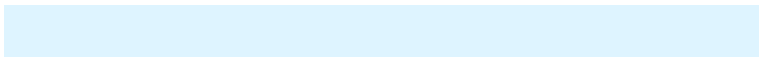
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.0075, 0.3667, 0.4128



93.0075, 0.2906, 0.3915



93.0075, 0.2570, 0.2531



93.0075, 0.3302, 0.2765

Sweetspot

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



93.0117, 0.3667, 0.4128



97.7372, 0.3278, 0.3526



51.4580, 0.3922, 0.3245



20.8554, 0.3300, 0.3560



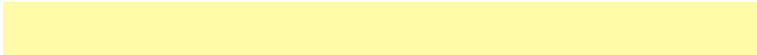
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

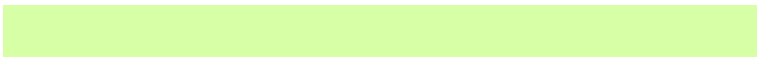
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0117, 0.3667, 0.4128



91.8870, 0.3774, 0.4291



88.7135, 0.3383, 0.4248



20.9427, 0.3270, 0.3514



44.8392, 0.4274, 0.4989



4.4073, 0.4264, 0.4997

Inverse Universe

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



44.0815, 0.2498, 0.2286



36.1928, 0.2347, 0.2043



47.6284, 0.2780, 0.2317



17.5083, 0.2978, 0.3055



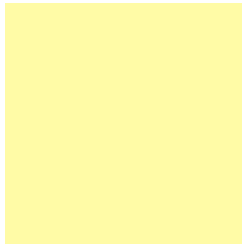
3.9589, 0.1508, 0.0627



0.4294, 0.1525, 0.0690

Previews

White Background



This preview shows how the Yxy color 93.0075, 0.3667, 0.4128 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 93.0075, 0.3667, 0.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

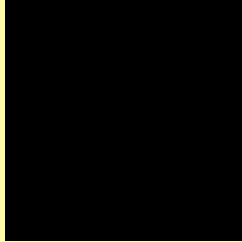
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.0075, 0.3667, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 93.0075, 0.3667, 0.4128.

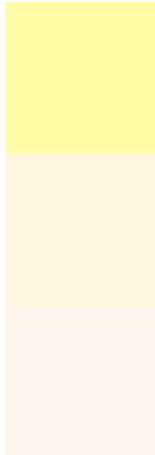


This preview shows how white text looks on a background with the Yxy color 93.0075, 0.3667, 0.4128.

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

93.0075, 0.3667, 0.4128

Protanopia

93.0020, 0.3338, 0.3546

Deuteranopia

92.6792, 0.3241, 0.3368



Tritanopia

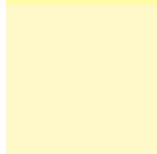
92.9896, 0.3150, 0.3213

Trichromacy



Original Color

93.0075, 0.3667, 0.4128



Protanomaly

92.6118, 0.3461, 0.3756



Deuteranomaly

92.4847, 0.3400, 0.3646



Tritanomaly

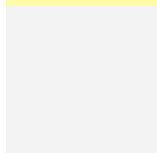
93.0020, 0.3338, 0.3546

Monochromacy



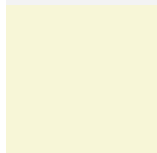
Original Color

93.0075, 0.3667, 0.4128



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.5920, 0.3323, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0075, 0.3667, 0.4128 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, 251, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 166)  
}
```

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, 251, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 166) }
```

Border

The CSS property to change the border of an element to Yxy 93.0075, 0.3667, 0.4128 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, 251, 166) }
```

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

```
.border{ border-color:rgb(255, 251, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0075, 0.3667, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 166) }
```

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

```
.background{ background-color: rgb(255,  
251, 166) }
```

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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