

Converting Colors

$Y_{xy}(100.0000, 0.3954, 0.4108)$

Have a look what the booklet for
Yxy(100.0000, 0.3954, 0.4108)
contains.

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Color

Yxy(92.7576, 0.3708, 0.4195)

Conversions

Conversions Part 1

Format	Color
Hex	FFFB9F
RGB	255, 251, 159
RGB Percent	100%, 98%, 62%
CMY	0.0000, 0.0156, 0.3766
CMYK	0.00, 0.02, 0.38, 0.00
HSL	58°, 100%, 81%
HSV	58°, 38%, 100%
XYZ	81.9893, 92.7576, 46.3677
YIQ	241.7080, 31.9160, -27.7640

Conversions

Conversions Part 2

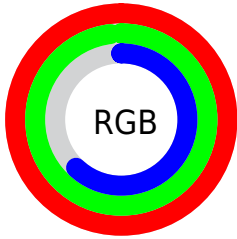
Format	Color
R _Y B	163, 255, 159
Decimal	16776095
CIE Lab	97.13, -11.66, 44.58
CIE LCh	97, 46.080, 104.656
Yxy	92.7576, 0.3708, 0.4195
Android (android.graphics.Color)	4294966175 (0xFFFFB9F)
YUV	241.7080, -40.7750, 11.6571
Hunter-Lab	96.3107, -16.5868, 38.8730

Details

The Yxy color **92.7576, 0.3708, 0.4195** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7609, 0.2439, 0.2188**, and the grayscale version is **88.8589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **51.9411, 0.3814, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **91.3085, 0.3853, 0.4416**, and if you desaturate by 10%, it is **94.4014, 0.3554, 0.3958**.

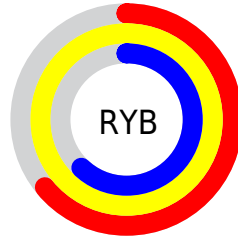
Distribution



Red (100%)

Green (98%)

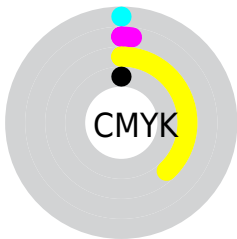
Blue (62%)



Red (64%)

Yellow (100%)

Blue (62%)

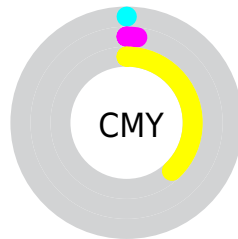


Cyan (0%)

Magenta (2%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.7576, 0.3708, 0.4195 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 92.7576, 0.3708, 0.4195 by changing the saturation by 10% instead.

 92.7576, 0.3708,
0.4195

 92.7576, 0.3708,
0.4195


536.9610, 0.3463,
0.3793

 70.2700, 0.3758,
0.4281


 151.1630, 0.3628,
0.4060

 51.7467, 0.3815,
0.4385


 187.8496, 0.3595,
0.4006

 36.8032, 0.3883,
0.4511


230.0380, 0.3567,
0.3959

 25.0552, 0.3961,
0.4666

278.1126, 0.3541,
0.3917

 16.1182, 0.4051,
0.4860

332.4578, 0.3518,
0.3881

 9.6078, 0.4146,
0.5102

393.4580, 0.3498,

 5.1397, 0.4318,

0.3848

0.5517

461.4976, 0.3479,
0.3819

■ 2.3295, 0.4240,
0.5760

■ 0.7892, 0.3710,
0.6290

■ 92.7576, 0.3708,
0.4195

■ 92.7576, 0.3708,
0.4195

■ 91.3085, 0.3853,
0.4416

■ 94.4014, 0.3554,
0.3958

■ 90.0301, 0.3983,
0.4610

■ 96.2376, 0.3397,
0.3714

■ 88.9140, 0.4093,
0.4769

■ 98.2799, 0.3242,
0.3471

■ 87.9461, 0.4176,
0.4886

99.9976, 0.3127,
0.3290

■ 87.1093, 0.4233,
0.4958

■ 86.3816, 0.4263,
0.4989

■ 86.2192, 0.4269,
0.4993

Harmonies

Analogous

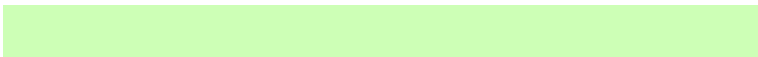
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7576, 0.4054, 0.3961



92.7576, 0.3708, 0.4195



92.7576, 0.3222, 0.4166

Triad

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



92.7576, 0.3708, 0.4195



92.7576, 0.2205, 0.2859



92.7576, 0.3487, 0.2824

Complementary

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



92.7576, 0.3708, 0.4195



40.7609, 0.2439, 0.2188

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.



92.7576, 0.2965, 0.2572



92.7576, 0.3708, 0.4195



92.7576, 0.2261, 0.2566

Square

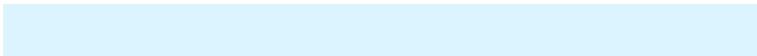
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.7576, 0.3708, 0.4195



92.7576, 0.2369, 0.3323



92.7576, 0.2526, 0.2476



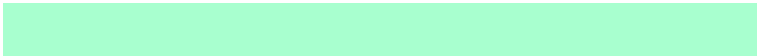
92.7576, 0.3934, 0.3184

Rectangle

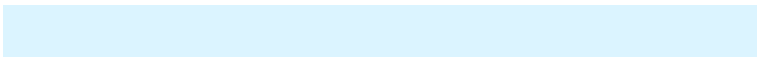
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.7576, 0.3708, 0.4195



92.7576, 0.2888, 0.3972



92.7576, 0.2526, 0.2476



92.7576, 0.3313, 0.2725

Sweetspot

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



92.7618, 0.3708, 0.4195



97.5847, 0.3293, 0.3551



48.7148, 0.4014, 0.3242



20.8273, 0.3314, 0.3584



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

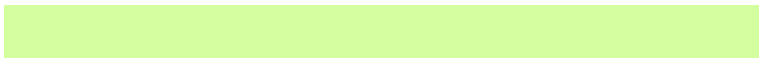
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.7618, 0.3708, 0.4195



91.6874, 0.3816, 0.4359



87.9781, 0.3400, 0.4330



20.9541, 0.3270, 0.3515



45.1133, 0.4267, 0.4994



4.4310, 0.4258, 0.5001

Inverse Universe

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



40.7609, 0.2439, 0.2188



33.0680, 0.2282, 0.1933



44.5856, 0.2746, 0.2232



17.4982, 0.2978, 0.3054



3.9445, 0.1507, 0.0625



0.4246, 0.1523, 0.0683

Previews

White Background



This preview shows how the Yxy color 92.7576, 0.3708, 0.4195 looks on a white background.

Color Contrast Check

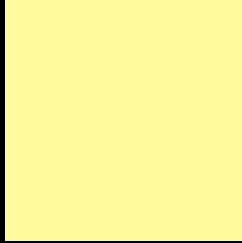
Large Text (above 18pt) WCAG AA × Fail

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 92.7576, 0.3708, 0.4195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

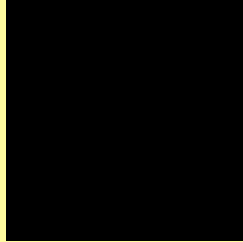
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.7576, 0.3708, 0.4195

Background



This preview shows how black text looks on a background with the Yxy color 92.7576, 0.3708, 0.4195.



This preview shows how white text looks on a background with the Yxy color 92.7576, 0.3708, 0.4195.

Color Blindness Simulation

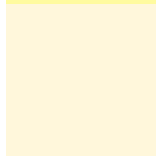
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



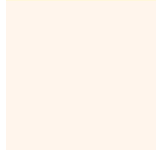
Original Color

92.7576, 0.3708, 0.4195



Protanopia

92.8960, 0.3350, 0.3566



Deuteranopia

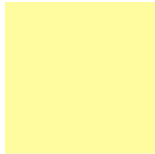
92.6209, 0.3247, 0.3378



Tritanopia

92.9264, 0.3156, 0.3223

Trichromacy



Original Color

92.7576, 0.3708, 0.4195



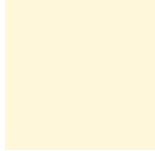
Protanomaly

92.4260, 0.3486, 0.3796



Deuteranomaly

92.3356, 0.3419, 0.3676



Tritanomaly

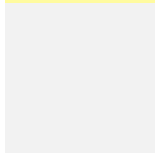
92.8435, 0.3357, 0.3576

Monochromacy



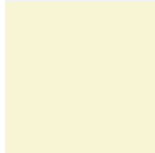
Original Color

92.7576, 0.3708, 0.4195



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

89.8324, 0.3343, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7576, 0.3708, 0.4195 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 159) }
```

Border

The CSS property to change the border of an element to Yxy 92.7576, 0.3708, 0.4195 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, 159) }
```

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

```
.border{ border-color:rgb(255, 251, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 251, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 251, 159); box-shadow:4px 4px 4px 4px rgb(255, 251, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7576, 0.3708, 0.4195 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
251, 159) }
```

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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