

Converting Colors

$Y_{xy}(100.0000, 0.3948, 0.4206)$

Have a look what the booklet for
Yxy(100.0000, 0.3948, 0.4206)
contains.

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Color

Yxy(93.7776, 0.3741, 0.4276)

Conversions

Conversions Part 1

Format	Color
Hex	FFFD98
RGB	255, 253, 152
RGB Percent	100%, 99%, 60%
CMY	0.0000, 0.0079, 0.4038
CMYK	0.00, 0.01, 0.40, 0.00
HSL	59°, 100%, 80%
HSV	59°, 40%, 100%
XYZ	82.0444, 93.7776, 43.4895
YIQ	242.0840, 33.6130, -30.9870

Conversions

Conversions Part 2

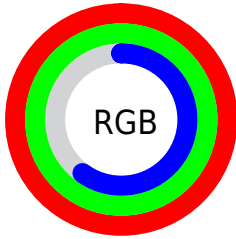
Format	Color
RYB	154, 255, 152
Decimal	16776600
CIELab	97.54, -13.33, 48.47
CIELCh	98, 50.274, 105.380
Yxy	93.7776, 0.3741, 0.4276
Android (android.graphics.Color)	4294966680 (0xFFFFFD98)
YUV	242.0840, -44.4114, 11.3273
Hunter-Lab	96.8388, -18.2380, 41.1606

Details

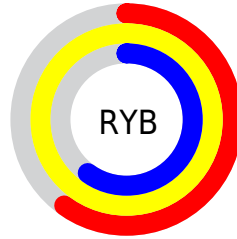
The Yxy color **93.7776, 0.3741, 0.4276** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.0167, 0.2377, 0.2067**, and the grayscale version is **89.1996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **52.7037, 0.3849, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **92.7136, 0.3878, 0.4494**, and if you desaturate by 10%, it is **95.0160, 0.3592, 0.4038**.

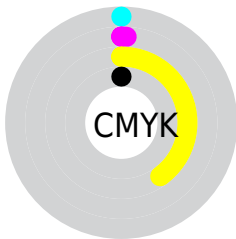
Distribution



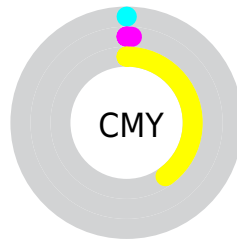
- Red (100%)
- Green (99%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.7776, 0.3741, 0.4276 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 93.7776, 0.3741, 0.4276 by changing the saturation by 10% instead.

 93.7776, 0.3741,
0.4276


 93.7776, 0.3741,
0.4276

540.2442, 0.3485,
0.3839

 71.1180, 0.3792,
0.4369


 152.5747, 0.3658,
0.4129

 52.4385, 0.3850,
0.4481

 189.4810, 0.3624,
0.4071

 37.3547, 0.3917,
0.4615


231.9050, 0.3594,
0.4020

 25.4822, 0.3994,
0.4780

280.2311, 0.3568,
0.3975

 16.4367, 0.4077,
0.4983

334.8437, 0.3544,
0.3935

 9.8337, 0.4159,
0.5231

396.1271, 0.3522,

 5.2888, 0.4324,

0.3900

0.5676

464.4658, 0.3503,
0.3868

■ 2.4177, 0.4156,
0.5844

■ 0.8350, 0.3592,
0.6408

■ 93.7776, 0.3741,
0.4276

■ 93.7776, 0.3741,
0.4276

■ 92.7136, 0.3878,
0.4494

■ 95.0160, 0.3592,
0.4038

■ 91.8214, 0.3997,
0.4682

■ 96.4485, 0.3438,
0.3791

■ 91.0850, 0.4094,
0.4831

■ 98.0817, 0.3283,
0.3542

■ 90.4896, 0.4164,
0.4938

99.9248, 0.3133,
0.3299

■ 90.0173, 0.4207,
0.5000

100.0000, 0.3127,
0.3290

■ 89.6520, 0.4228,
0.5025

Harmonies

Analogous

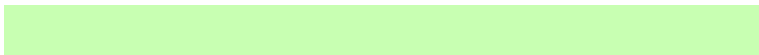
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7776, 0.4124, 0.4019



93.7776, 0.3741, 0.4276



93.7776, 0.3212, 0.4244

Triad

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



93.7776, 0.3741, 0.4276



93.7776, 0.2132, 0.2808



93.7776, 0.3530, 0.2795

Complementary

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



93.7776, 0.3741, 0.4276



37.0167, 0.2377, 0.2067

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.



93.7776, 0.2962, 0.2522



93.7776, 0.3741, 0.4276



93.7776, 0.2198, 0.2502

Square

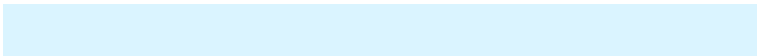
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.7776, 0.3741, 0.4276



93.7776, 0.2300, 0.3309



93.7776, 0.2486, 0.2413



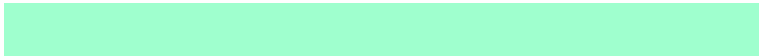
93.7776, 0.4015, 0.3182

Rectangle

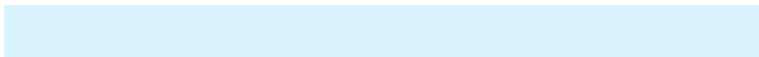
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.7776, 0.3741, 0.4276



93.7776, 0.2852, 0.4026



93.7776, 0.2486, 0.2413



93.7776, 0.3340, 0.2689

Sweetspot

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



93.7746, 0.3741, 0.4276



97.8039, 0.3308, 0.3582



46.1045, 0.4127, 0.3257



20.8868, 0.3328, 0.3614



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

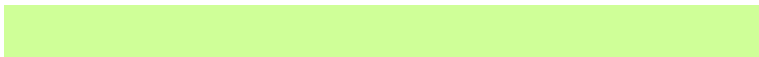
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.7746, 0.3741, 0.4276



92.9508, 0.3847, 0.4444



87.0447, 0.3406, 0.4415



21.0264, 0.3270, 0.3520



46.8726, 0.4227, 0.5025



4.5824, 0.4223, 0.5029

Inverse Universe

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



37.0167, 0.2377, 0.2067



29.4975, 0.2212, 0.1796



41.9727, 0.2724, 0.2152



17.4344, 0.2978, 0.3049



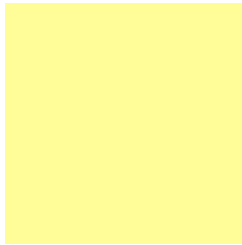
3.8535, 0.1503, 0.0612



0.3943, 0.1511, 0.0639

Previews

White Background



This preview shows how the Yxy color 93.7776, 0.3741, 0.4276 looks on a white background.

Color Contrast Check

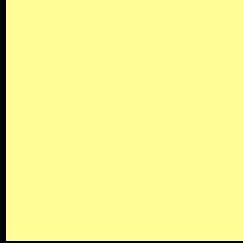
Large Text (above 18pt) WCAG AA × Fail

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 93.7776, 0.3741, 0.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

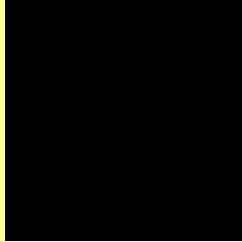
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.7776, 0.3741, 0.4276

Background



This preview shows how black text looks on a background with the Yxy color 93.7776, 0.3741, 0.4276.



This preview shows how white text looks on a background with the Yxy color 93.7776, 0.3741, 0.4276.

Color Blindness Simulation

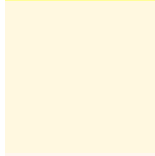
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



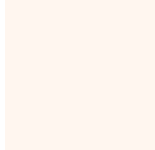
Original Color

93.7776, 0.3741, 0.4276



Protanopia

93.7766, 0.3318, 0.3525



Deuteranopia

93.4035, 0.3228, 0.3358



Tritanopia

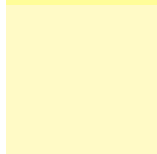
93.5931, 0.3150, 0.3223

Trichromacy



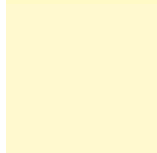
Original Color

93.7776, 0.3741, 0.4276



Protanomaly

93.7084, 0.3476, 0.3804



Deuteranomaly

93.5164, 0.3422, 0.3705



Tritanomaly

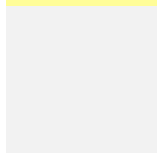
93.3527, 0.3368, 0.3605

Monochromacy



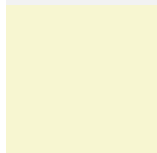
Original Color

93.7776, 0.3741, 0.4276



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.2891, 0.3360, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.7776, 0.3741, 0.4276 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, 253, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 152)  
}
```

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, 253, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 152) }
```

Border

The CSS property to change the border of an element to Yxy 93.7776, 0.3741, 0.4276 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, 253, 152) }
```

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

```
.border{ border-color:rgb(255, 253, 152) }
```

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

Here you see how a box with a 4 pixel rgb(255, 253, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 93.7776, 0.3741, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 152) }
```

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

```
.background{ background-color: rgb(255,  
253, 152) }
```

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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