

Converting Colors

$Y_{xy}(117.6495, 0.4465, 0.3978)$

Have a look what the booklet for
Yxy(117.6495, 0.4465, 0.3978)
contains.

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Color

Yxy(91.3113, 0.3749, 0.4234)

Conversions

Conversions Part 1

Format	Color
Hex	FFF999
RGB	255, 249, 153
RGB Percent	100%, 98%, 60%
CMY	0.0002, 0.0234, 0.4000
CMYK	0.00, 0.02, 0.40, 0.00
HSL	57°, 100%, 80%
HSV	57°, 40%, 100%
XYZ	80.8517, 91.3113, 43.4990
YIQ	239.8500, 34.3920, -28.5840

Conversions

Conversions Part 2

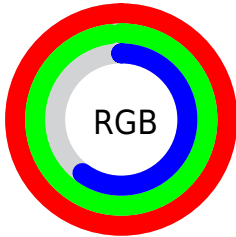
Format	Color
R _Y B	159, 255, 153
Decimal	16775577
CIE Lab	96.54, -11.32, 46.73
CIE LCh	97, 48.083, 103.621
Yxy	91.3113, 0.3749, 0.4234
Android (android.graphics.Color)	4294965657 (0xFFFFF999)
YUV	239.8500, -42.8170, 13.2866
Hunter-Lab	95.5569, -16.1940, 39.9001

Details

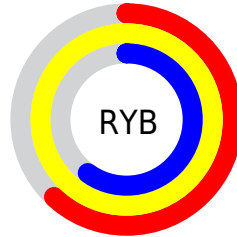
The Yxy color **91.3113, 0.3749, 0.4234** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.7604, 0.2393, 0.2129**, and the grayscale version is **87.3328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **50.9303, 0.3865, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **89.6481, 0.3895, 0.4447**, and if you desaturate by 10%, it is **93.1700, 0.3594, 0.4003**.

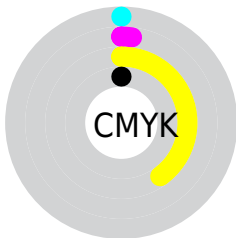
Distribution



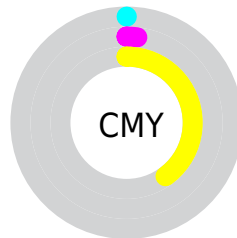
- Red (100%)
- Green (98%)
- Blue (60%)



- Red (62%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (2%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3113, 0.3749, 0.4234 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 91.3113, 0.3749, 0.4234 by changing the saturation by 10% instead.

 91.3113, 0.3749,
0.4234


 91.3113, 0.3749,
0.4234


532.2873, 0.3486,
0.3815

 69.0687, 0.3802,
0.4324

 149.1585, 0.3664,
0.4093

 50.7677, 0.3863,
0.4431

 185.5320, 0.3629,
0.4037

 36.0238, 0.3934,
0.4561


227.3845, 0.3598,
0.3988

 24.4526, 0.4017,
0.4720

275.1005, 0.3570,
0.3945

 15.6697, 0.4109,
0.4917

329.0644, 0.3546,
0.3907

 9.2907, 0.4204,
0.5159


389.6606, 0.3524,


 4.9313, 0.4398,


0.3873


0.5602

457.2734, 0.3504,
0.3842


 2.2070, 0.4247,
0.5753


 0.7238, 0.3625,
0.6375


 91.3113, 0.3749,
0.4234

 91.3113, 0.3749,
0.4234


 89.6481, 0.3895,
0.4447


 93.1700, 0.3594,
0.4003

 88.1564, 0.4025,
0.4632

 95.2224, 0.3435,
0.3763

 86.8273, 0.4133,
0.4780

 97.4822, 0.3278,
0.3523

 85.6461, 0.4215,
0.4885

99.9586, 0.3127,
0.3290

■ 84.5952, 0.4270, 99.9906, 0.3127,
0.4945 0.3290

■ 83.6458, 0.4301,
0.4967

■ 83.6447, 0.4301,
0.4967

Harmonies

Analogous

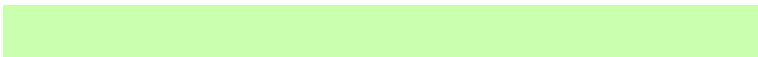
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3113, 0.4106, 0.3977



91.3113, 0.3749, 0.4234



91.3113, 0.3242, 0.4219

Triad

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



91.3113, 0.3749, 0.4234



91.3113, 0.2167, 0.2850



91.3113, 0.3485, 0.2792

Complementary

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



91.3113, 0.3749, 0.4234



38.7604, 0.2393, 0.2129

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.



91.3113, 0.2938, 0.2535



91.3113, 0.3749, 0.4234



91.3113, 0.2217, 0.2540

Square

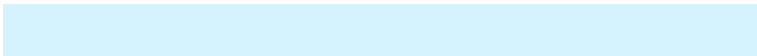
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.3113, 0.3749, 0.4234



91.3113, 0.2344, 0.3342



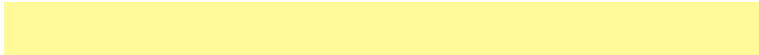
91.3113, 0.2485, 0.2440



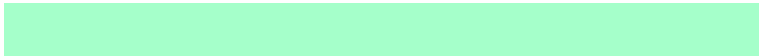
91.3113, 0.3962, 0.3163

Rectangle

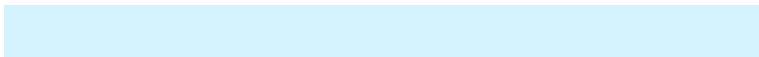
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.3113, 0.3749, 0.4234



91.3113, 0.2892, 0.4022



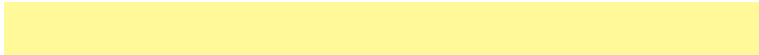
91.3113, 0.2485, 0.2440



91.3113, 0.3301, 0.2691

Sweetspot

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



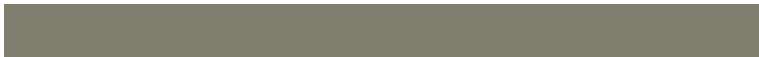
91.3155, 0.3749, 0.4234



97.0535, 0.3309, 0.3571



46.5638, 0.4078, 0.3221



20.7089, 0.3330, 0.3602



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

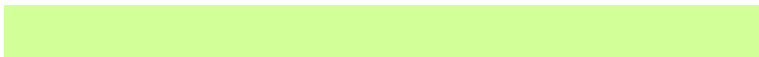
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3155, 0.3749, 0.4234



90.0051, 0.3867, 0.4407



87.6033, 0.3426, 0.4395



20.8990, 0.3271, 0.3511



43.8035, 0.4299, 0.4969



4.3179, 0.4286, 0.4979

Inverse Universe

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



38.7604, 0.2393, 0.2129



30.8477, 0.2223, 0.1853



41.8934, 0.2703, 0.2156



17.5471, 0.2978, 0.3059



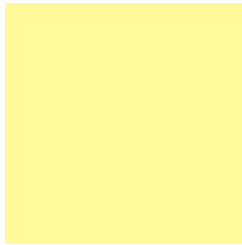
4.0147, 0.1510, 0.0635



0.4478, 0.1532, 0.0716

Previews

White Background



This preview shows how the Yxy color 91.3113, 0.3749, 0.4234 looks on a white background.

Color Contrast Check

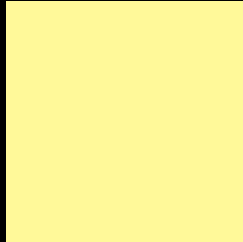
Large Text (above 18pt) WCAG AA × Fail

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 91.3113, 0.3749, 0.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

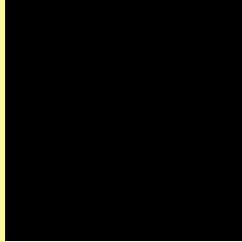
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.3113, 0.3749, 0.4234

Background



This preview shows how black text looks on a background with the Yxy color 91.3113, 0.3749, 0.4234.

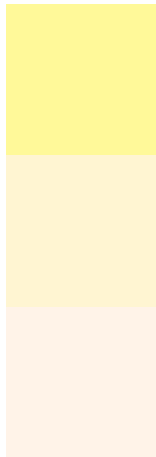


This preview shows how white text looks on a background with the Yxy color 91.3113, 0.3749, 0.4234.

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

91.3113, 0.3749, 0.4234

Protanopia

91.2180, 0.3410, 0.3637

Deuteranopia

91.1874, 0.3274, 0.3398



Tritanopia

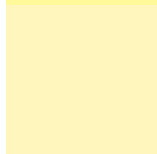
91.0727, 0.3164, 0.3203

Trichromacy



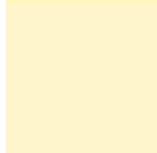
Original Color

91.3113, 0.3749, 0.4234



Protanomaly

90.8457, 0.3540, 0.3857



Deuteranomaly

90.8766, 0.3454, 0.3707



Tritanomaly

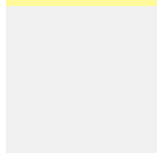
90.8677, 0.3380, 0.3577

Monochromacy



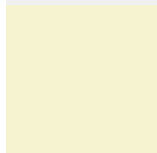
Original Color

91.3113, 0.3749, 0.4234



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.0677, 0.3357, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.3113, 0.3749, 0.4234 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, 249, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 153)  
}
```

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, 249, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 153) }
```

Border

The CSS property to change the border of an element to Yxy 91.3113, 0.3749, 0.4234 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, 249, 153) }
```

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

```
.border{ border-color:rgb(255, 249, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 91.3113, 0.3749, 0.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 153) }
```

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

```
.background{ background-color: rgb(255,  
249, 153) }
```

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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