

Converting Colors

$Y_{xy}(90.7568, 0.4128, 0.4952)$

Have a look what the booklet for
Yxy(90.7568, 0.4128, 0.4952)
contains.

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Color

Yxy(90.5733, 0.4130, 0.4948)

Conversions

Conversions Part 1

Format	Color
Hex	FCFC35
RGB	252, 252, 53
RGB Percent	99%, 99%, 21%
CMY	0.0118, 0.0117, 0.7918
CMYK	0.00, 0.00, 0.79, 0.01
HSL	60°, 97%, 60%
HSV	60°, 79%, 99%
XYZ	75.5998, 90.5733, 16.8772
YIQ	229.3140, 63.8790, -61.8890

Conversions

Conversions Part 2

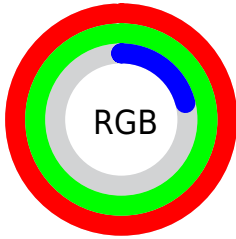
Format	Color
RYB	53, 252, 53
Decimal	16579637
CIELab	96.23, -20.50, 86.07
CIELCh	96, 88.480, 103.397
Yxy	90.5733, 0.4130, 0.4948
Android (android.graphics.Color)	4294769717 (0xFFFCFC35)
YUV	229.3140, -86.9228, 19.8956
Hunter-Lab	95.1700, -24.7532, 56.1046

Details

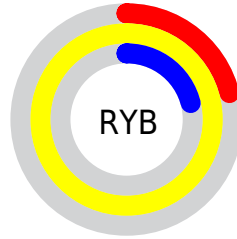
The Yxy color **90.5733, 0.4130, 0.4948** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.3440, 0.1643, 0.0836**, and the grayscale version is **79.2266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **50.5562, 0.4149, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **90.4028, 0.4172, 0.5018**, and if you desaturate by 10%, it is **90.8741, 0.4061, 0.4834**.

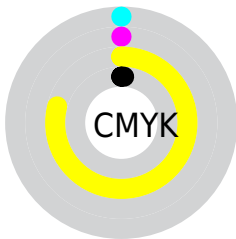
Distribution



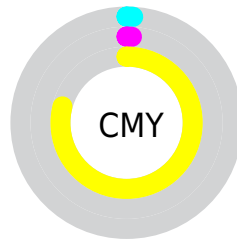
- Red (99%)
- Green (99%)
- Blue (21%)



- Red (21%)
- Yellow (99%)
- Blue (21%)



- Cyan (0%)
- Magenta (0%)
- Yellow (79%)
- Black (1%)





- Cyan (1%)
- Magenta (1%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5733, 0.4130, 0.4948 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 90.5733, 0.4130, 0.4948 by changing the saturation by 10% instead.


 90.5733, 0.4130,
0.4948

 90.5733, 0.4130,
0.4948


529.8940, 0.3766,
0.4255

 68.4562, 0.4183,
0.5077

 148.1345, 0.4028,
0.4730

 50.2690, 0.4232,
0.5219


 184.3474, 0.3981,
0.4638

 35.6272, 0.4271,
0.5374


 226.0277, 0.3937,
0.4557

 24.1464, 0.4289,
0.5536

 273.5598, 0.3897,
0.4483

 15.4423, 0.4282,
0.5718

 327.3281, 0.3860,
0.4417

 9.1304, 0.4165,
0.5835


387.7169, 0.3826,


 4.8263, 0.3991,


0.4358


0.6009


455.1108, 0.3795,
0.4304


 2.1457, 0.3706,
0.6294


 0.6902, 0.1839,
0.8161


 90.5733, 0.4130,
0.4948


 90.5733, 0.4130,
0.4948


 90.4028, 0.4172,
0.5018


 90.8741, 0.4061,
0.4834


 90.3252, 0.4192,
0.5050

 91.3092, 0.3966,
0.4677

 90.3193, 0.4193,
0.5053


 91.8970, 0.3848,
0.4482

 92.6500, 0.3713,
0.4258

 93.5791, 0.3566,
0.4015

 94.6946, 0.3413,
0.3763

 96.0059, 0.3260,
0.3510

 97.5217, 0.3112,
0.3264

 97.5407, 0.3110,
0.3261

Harmonies

Analogous

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



90.5733, 0.4814, 0.4347



90.5733, 0.4130, 0.4948



90.5733, 0.3242, 0.5103

Triad

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



90.5733, 0.4130, 0.4948



90.5733, 0.1515, 0.2445



90.5733, 0.3748, 0.2429

Complementary

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



90.5733, 0.4130, 0.4948



10.3440, 0.1643, 0.0836

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.



90.5733, 0.2750, 0.2028



90.5733, 0.4130, 0.4948



90.5733, 0.1603, 0.1981

Square

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



90.5733, 0.4130, 0.4948



90.5733, 0.1760, 0.3332



90.5733, 0.2008, 0.1866



90.5733, 0.4663, 0.3002

Rectangle

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



90.5733, 0.4130, 0.4948



90.5733, 0.2644, 0.4753



90.5733, 0.2008, 0.1866



90.5733, 0.3402, 0.2272

Sweetspot

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



90.5775, 0.4130, 0.4948



96.6657, 0.3491, 0.3892



23.5100, 0.5902, 0.3298



20.6058, 0.3545, 0.3981



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.



90.5775, 0.4130, 0.4948



92.8072, 0.4186, 0.5041



76.6111, 0.3447, 0.5444



20.1908, 0.3269, 0.3524



47.0461, 0.4193, 0.5053



4.3573, 0.4193, 0.5053

Inverse Universe

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



10.3440, 0.1643, 0.0836



7.5852, 0.1516, 0.0627



16.3131, 0.2250, 0.1151



16.6431, 0.2979, 0.3045



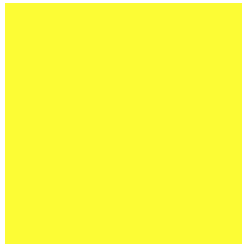
3.6611, 0.1500, 0.0600



0.3391, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 90.5733, 0.4130, 0.4948 looks on a white background.

Color Contrast Check

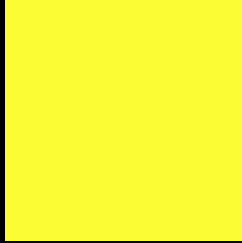
Large Text (above 18pt) WCAG AA × Fail

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 90.5733, 0.4130, 0.4948 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 90.5733, 0.4130, 0.4948

Background



This preview shows how black text looks on a background with the Yxy color 90.5733, 0.4130, 0.4948.

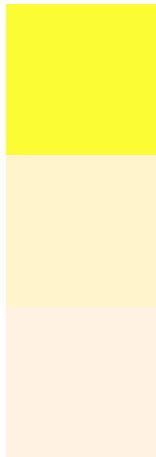


This preview shows how white text looks on a background with the Yxy color 90.5733, 0.4130, 0.4948.

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

90.5733, 0.4130, 0.4948

Protanopia

90.2732, 0.3456, 0.3698

Deuteranopia

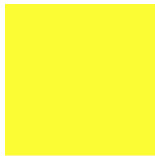
90.3103, 0.3306, 0.3438



Tritanopia

90.3575, 0.3177, 0.3213

Trichromacy



Original Color

90.5733, 0.4130, 0.4948



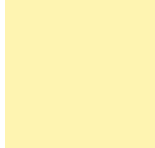
Protanomaly

89.7305, 0.3778, 0.4266



Deuteranomaly

89.6627, 0.3688, 0.4106



Tritanomaly

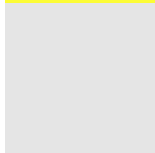
88.9465, 0.3614, 0.3960

Monochromacy



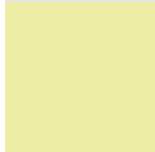
Original Color

90.5733, 0.4130, 0.4948



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.2895, 0.3586, 0.4049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5733, 0.4130, 0.4948 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(252, 252, 53)` looks like.

```
.text, #text, p{  
    color:rgb(252, 252, 53)  
}
```

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(252, 252, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 252, 53) }
```

Border

The CSS property to change the border of an element to Yxy 90.5733, 0.4130, 0.4948 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(252, 252, 53) }
```

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

```
.border{ border-color:rgb(252, 252, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 252, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 252, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 252, 53);  
box-shadow:4px 4px 4px 4px rgb(252, 252,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5733, 0.4130, 0.4948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 252, 53) }
```

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

```
.background{ background-color: rgb(252,  
252, 53) }
```

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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