

Converting Colors

Yxy(91.8810, 0.3840, 0.4211)

Have a look what the booklet for
Yxy(91.8810, 0.3840, 0.4211)
contains.

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Color

Yxy(90.0159, 0.3768, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	FFF797
RGB	255, 247, 151
RGB Percent	100%, 97%, 59%
CMY	0.0000, 0.0314, 0.4077
CMYK	0.00, 0.03, 0.41, 0.00
HSL	55°, 100%, 80%
HSV	55°, 41%, 100%
XYZ	80.0897, 90.0159, 42.4467
YIQ	238.4480, 35.5840, -28.1600

Conversions

Conversions Part 2

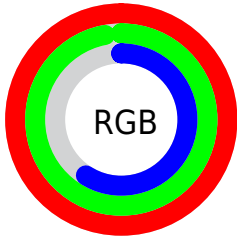
Format	Color
R_{YB}	160, 255, 151
Decimal	16775063
CIE _{Lab}	96.00, -10.51, 47.01
CIE _{LCh}	96, 48.168, 102.605
Yxy	90.0159, 0.3768, 0.4235
Android (android.graphics.Color)	4294965143 (0xFFFFF797)
YUV	238.4480, -43.1119, 14.5161
Hunter-Lab	94.8767, -15.3543, 39.8881

Details

The Yxy color **90.0159, 0.3768, 0.4235** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.6109, 0.2380, 0.2126**, and the grayscale version is **86.1901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **50.0138, 0.3889, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **88.0851, 0.3917, 0.4444**, and if you desaturate by 10%, it is **92.1458, 0.3610, 0.4008**.

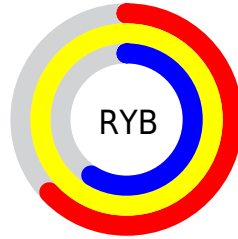
Distribution



Red (100%)

Green (97%)

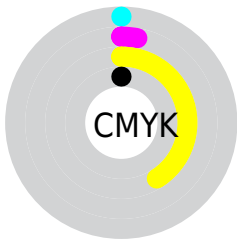
Blue (59%)



Red (63%)

Yellow (100%)

Blue (59%)

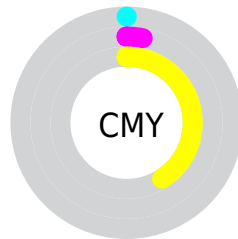


Cyan (0%)

Magenta (3%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0159, 0.3768, 0.4235 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 90.0159, 0.3768, 0.4235 by changing the saturation by 10% instead.

 90.0159, 0.3768,
0.4235


 90.0159, 0.3768,
0.4235


528.0826, 0.3496,
0.3815

 67.9938, 0.3823,
0.4325


 147.3605, 0.3679,
0.4094

 49.8927, 0.3886,
0.4432


 183.4518, 0.3643,
0.4038

 35.3282, 0.3961,
0.4562


225.0016, 0.3611,
0.3989

 23.9158, 0.4046,
0.4721

272.3944, 0.3583,
0.3945

 15.2712, 0.4143,
0.4916

326.0145, 0.3558,
0.3907

 9.0099, 0.4242,
0.5154

386.2462, 0.3535,

 4.7476, 0.4427,

0.3873

0.5573

453.4742, 0.3515,
0.3843

■ 2.1000, 0.4284,
0.5716

■ 0.6646, 0.3608,
0.6392

■ 90.0159, 0.3768,
0.4235

■ 90.0159, 0.3768,
0.4235

■ 88.0851, 0.3917,
0.4444

■ 92.1458, 0.3610,
0.4008

■ 86.3307, 0.4050,
0.4624

■ 94.4745, 0.3449,
0.3772

■ 84.7434, 0.4162,
0.4767

■ 97.0155, 0.3291,
0.3537

■ 83.3081, 0.4248,
0.4867

■ 99.7780, 0.3139,
0.3307

■ 82.0068, 0.4305,
0.4921

100.0000, 0.3127,
0.3290

■ 80.8986, 0.4337,
0.4938

Harmonies

Analogous

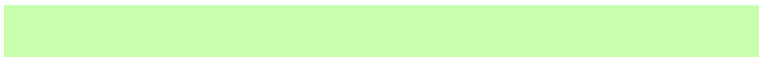
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0159, 0.4120, 0.3969



90.0159, 0.3768, 0.4235



90.0159, 0.3261, 0.4232

Triad

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



90.0159, 0.3768, 0.4235



90.0159, 0.2163, 0.2861



90.0159, 0.3469, 0.2778

Complementary

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



90.0159, 0.3768, 0.4235



38.6109, 0.2380, 0.2126

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.



90.0159, 0.2919, 0.2524



90.0159, 0.3768, 0.4235



90.0159, 0.2206, 0.2542

Square

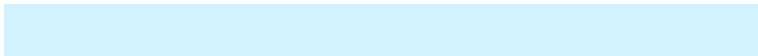
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0159, 0.3768, 0.4235



90.0159, 0.2349, 0.3361



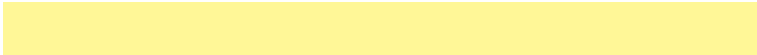
90.0159, 0.2469, 0.2435



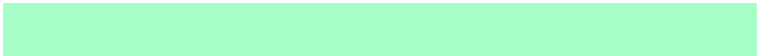
90.0159, 0.3954, 0.3148

Rectangle

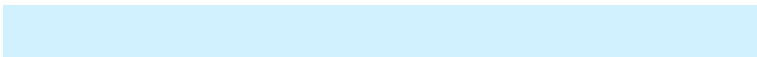
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0159, 0.3768, 0.4235



90.0159, 0.2908, 0.4041



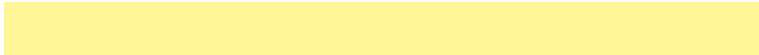
90.0159, 0.2469, 0.2435



90.0159, 0.3283, 0.2678

Sweetspot

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



90.0195, 0.3768, 0.4235



96.6911, 0.3310, 0.3565



45.9330, 0.4087, 0.3202



20.6229, 0.3330, 0.3596



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

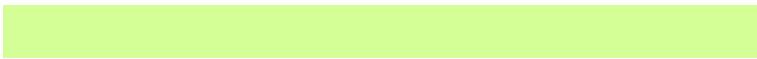
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0195, 0.3768, 0.4235



88.4139, 0.3892, 0.4409



87.7055, 0.3442, 0.4413



20.8375, 0.3271, 0.3507



42.3718, 0.4335, 0.4940



4.1938, 0.4317, 0.4954

Inverse Universe

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



38.6109, 0.2380, 0.2126



30.6268, 0.2207, 0.1847



40.8818, 0.2679, 0.2128



17.6021, 0.2978, 0.3063



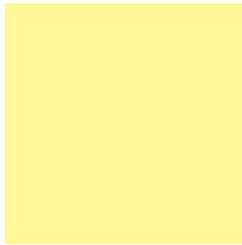
4.1061, 0.1513, 0.0647



0.4738, 0.1542, 0.0752

Previews

White Background



This preview shows how the Yxy color 90.0159, 0.3768, 0.4235 looks on a white background.

Color Contrast Check

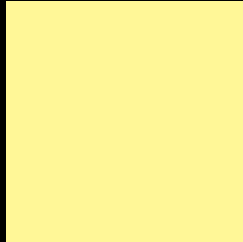
Large Text (above 18pt) WCAG AA × Fail

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 90.0159, 0.3768, 0.4235 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 90.0159, 0.3768, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 90.0159, 0.3768, 0.4235.

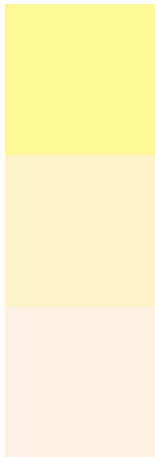


This preview shows how white text looks on a background with the Yxy color 90.0159, 0.3768, 0.4235.

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

90.0159, 0.3768, 0.4235

Protanopia

89.6730, 0.3458, 0.3688

Deuteranopia

89.7720, 0.3301, 0.3418



Tritanopia

89.7703, 0.3177, 0.3203

Trichromacy



Original Color

90.0159, 0.3768, 0.4235



Protanomaly

89.4221, 0.3577, 0.3889



Deuteranomaly

89.5313, 0.3477, 0.3719



Tritanomaly

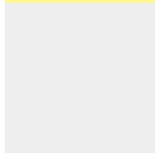
89.5684, 0.3396, 0.3578

Monochromacy



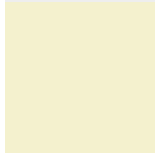
Original Color

90.0159, 0.3768, 0.4235



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.5999, 0.3366, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0159, 0.3768, 0.4235 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, 247, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 151)  
}
```

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, 247, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 151) }
```

Border

The CSS property to change the border of an element to Yxy 90.0159, 0.3768, 0.4235 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, 247, 151) }
```

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

```
.border{ border-color:rgb(255, 247, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0159, 0.3768, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 151) }
```

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

```
.background{ background-color: rgb(255,  
247, 151) }
```

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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