

Converting Colors

$Yxy(89.9225, 0.3746, 0.4195)$

Have a look what the booklet for
Yxy(89.9225, 0.3746, 0.4195)
contains.

Yxy(90.1481, 0.3745, 0.4198)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.1481, 0.3745, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	FFF79B
RGB	255, 247, 155
RGB Percent	100%, 97%, 61%
CMY	0.0000, 0.0314, 0.3921
CMYK	0.00, 0.03, 0.39, 0.00
HSL	55°, 100%, 80%
HSV	55°, 39%, 100%
XYZ	80.4204, 90.1481, 44.1721
YIQ	238.9040, 34.3000, -26.9160

Conversions

Conversions Part 2

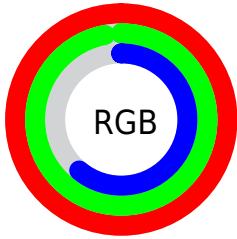
Format	Color
RYB	164, 255, 155
Decimal	16775067
CIELab	96.06, -10.10, 45.15
CIELCh	96, 46.263, 102.608
Yxy	90.1481, 0.3745, 0.4198
Android (android.graphics.Color)	4294965147 (0xFFFFF79B)
YUV	238.9040, -41.3647, 14.1162
Hunter-Lab	94.9464, -14.9651, 38.8788

Details

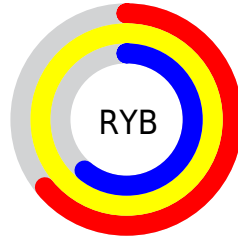
The Yxy color **90.1481, 0.3745, 0.4198** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.3832, 0.2413, 0.2182**, and the grayscale version is **86.5469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **50.0912, 0.3862, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **88.1413, 0.3896, 0.4410**, and if you desaturate by 10%, it is **92.3533, 0.3586, 0.3970**.

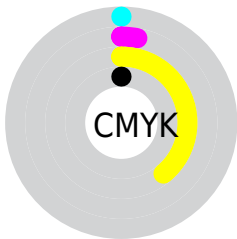
Distribution



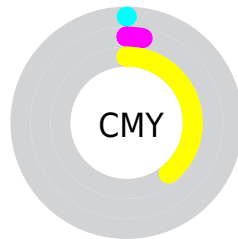
- Red (100%)
- Green (97%)
- Blue (61%)



- Red (64%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (3%)
- Yellow (39%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1481, 0.3745, 0.4198 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 90.1481, 0.3745, 0.4198 by changing the saturation by 10% instead.


 90.1481, 0.3745,
0.4198

 90.1481, 0.3745,
0.4198

528.5125, 0.3482,
0.3794

 68.1035, 0.3798,
0.4285


 147.5441, 0.3659,
0.4062

 49.9819, 0.3861,
0.4389


 183.6643, 0.3624,
0.4008

 35.3990, 0.3934,
0.4515


225.2451, 0.3593,
0.3961

 23.9704, 0.4019,
0.4669

272.6709, 0.3566,
0.3919

 15.3117, 0.4117,
0.4861

326.3262, 0.3541,
0.3882

 9.0384, 0.4220,
0.5098

386.5953, 0.3520,

 4.7663, 0.4445,

0.3850

0.5555

453.8626, 0.3500,
0.3820

■ 2.1108, 0.4308,
0.5692

■ 0.6707, 0.3682,
0.6318

■ 90.1481, 0.3745,
0.4198

■ 90.1481, 0.3745,
0.4198

■ 88.1413, 0.3896,
0.4410

■ 92.3533, 0.3586,
0.3970

■ 86.3155, 0.4033,
0.4595

■ 94.7617, 0.3424,
0.3734

■ 84.6599, 0.4150,
0.4744

■ 97.3849, 0.3267,
0.3500

■ 83.1599, 0.4240,
0.4850

100.0000, 0.3127,
0.3290

■ 81.7979, 0.4303,
0.4911

■ 80.5479, 0.4341,
0.4932

■ 80.4519, 0.4344,
0.4933

Harmonies

Analogous

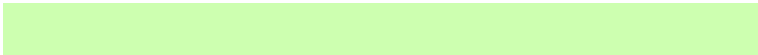
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1481, 0.4082, 0.3946



90.1481, 0.3745, 0.4198



90.1481, 0.3258, 0.4191

Triad

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



90.1481, 0.3745, 0.4198



90.1481, 0.2198, 0.2880



90.1481, 0.3456, 0.2797

Complementary

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



90.1481, 0.3745, 0.4198



40.3832, 0.2413, 0.2182

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.



90.1481, 0.2928, 0.2551



90.1481, 0.3745, 0.4198



90.1481, 0.2239, 0.2571

Square

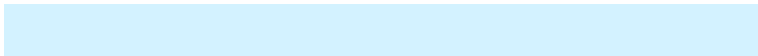
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1481, 0.3745, 0.4198



90.1481, 0.2379, 0.3359



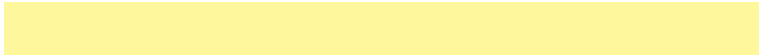
90.1481, 0.2494, 0.2466



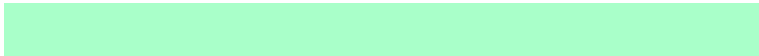
90.1481, 0.3921, 0.3155

Rectangle

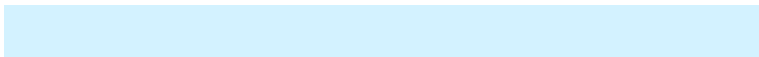
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1481, 0.3745, 0.4198



90.1481, 0.2918, 0.4008



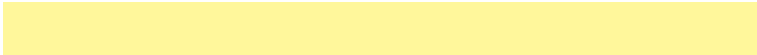
90.1481, 0.2494, 0.2466



90.1481, 0.3278, 0.2700

Sweetspot

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



90.1500, 0.3745, 0.4198



96.6321, 0.3310, 0.3565



47.3601, 0.4033, 0.3205



20.6090, 0.3331, 0.3595



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

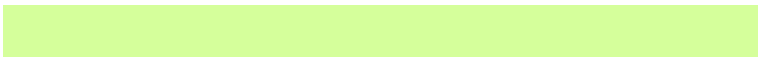
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1500, 0.3745, 0.4198



88.5699, 0.3864, 0.4365



88.0829, 0.3432, 0.4368



20.8274, 0.3271, 0.3506



42.1420, 0.4341, 0.4935



4.1739, 0.4322, 0.4950

Inverse Universe

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



40.3832, 0.2413, 0.2182



32.5531, 0.2250, 0.1920



42.4892, 0.2700, 0.2176



17.6110, 0.2978, 0.3064



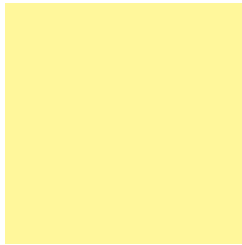
4.1226, 0.1514, 0.0650



0.4780, 0.1544, 0.0758

Previews

White Background



This preview shows how the Yxy color 90.1481, 0.3745, 0.4198 looks on a white background.

Color Contrast Check

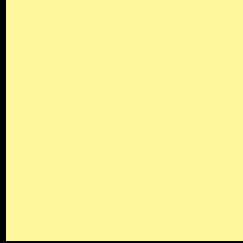
Large Text (above 18pt) WCAG AA × Fail

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 90.1481, 0.3745, 0.4198 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 90.1481, 0.3745, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 90.1481, 0.3745, 0.4198.

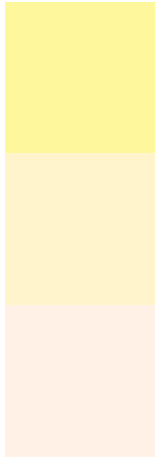


This preview shows how white text looks on a background with the Yxy color 90.1481, 0.3745, 0.4198.

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

90.1481, 0.3745, 0.4198

Protanopia

90.3210, 0.3450, 0.3688

Deuteranopia

89.8277, 0.3295, 0.3408



Tritanopia

89.8326, 0.3171, 0.3193

Trichromacy



Original Color

90.1481, 0.3745, 0.4198



Protanomaly

90.1100, 0.3562, 0.3878



Deuteranomaly

89.6255, 0.3464, 0.3699



Tritanomaly

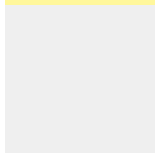
89.6706, 0.3383, 0.3558

Monochromacy



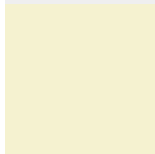
Original Color

90.1481, 0.3745, 0.4198



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.4708, 0.3359, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1481, 0.3745, 0.4198 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 155) }
```

Border

The CSS property to change the border of an element to Yxy 90.1481, 0.3745, 0.4198 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, 155) }
```

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

```
.border{ border-color:rgb(255, 247, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1481, 0.3745, 0.4198 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, 155) }
```

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

```
.background{ background-color: rgb(255,  
247, 155) }
```

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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