

Converting Colors

$Y_{xy}(100.0000, 0.4042, 0.4101)$

Have a look what the booklet for
Yxy(100.0000, 0.4042, 0.4101)
contains.

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Color

Yxy(90.7614, 0.3741, 0.4207)

Conversions

Conversions Part 1

Format	Color
Hex	FFF89B
RGB	255, 248, 155
RGB Percent	100%, 97%, 61%
CMY	0.0002, 0.0274, 0.3922
CMYK	0.00, 0.03, 0.39, 0.00
HSL	56°, 100%, 80%
HSV	56°, 39%, 100%
XYZ	80.7080, 90.7614, 44.2696
YIQ	239.4910, 34.0250, -27.4390

Conversions

Conversions Part 2

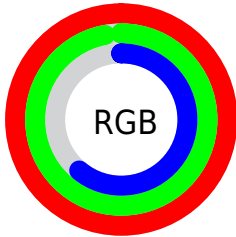
Format	Color
RYB	163, 255, 155
Decimal	16775323
CIELab	96.31, -10.63, 45.48
CIELCh	96, 46.701, 103.155
Yxy	90.7614, 0.3741, 0.4207
Android (android.graphics.Color)	4294965403 (0xFFFFFFFF89B)
YUV	239.4910, -41.6541, 13.6014
Hunter-Lab	95.2688, -15.5022, 39.1372

Details

The Yxy color **90.7614, 0.3741, 0.4207** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.9932, 0.2411, 0.2169**, and the grayscale version is **87.0270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **50.5289, 0.3857, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **88.9170, 0.3890, 0.4420**, and if you desaturate by 10%, it is **92.8051, 0.3583, 0.3977**.

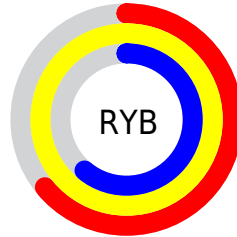
Distribution



Red (100%)

Green (97%)

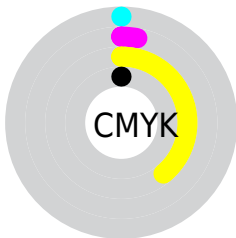
Blue (61%)



Red (64%)

Yellow (100%)

Blue (61%)

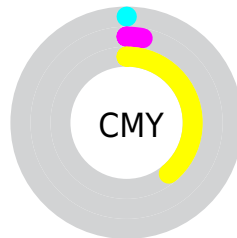


Cyan (0%)

Magenta (3%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7614, 0.3741, 0.4207 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 90.7614, 0.3741, 0.4207 by changing the saturation by 10% instead.

 90.7614, 0.3741,
0.4207

 90.7614, 0.3741,
0.4207

530.5046, 0.3480,
0.3799

 68.6123, 0.3794,
0.4295


 148.3956, 0.3656,
0.4070

 50.3960, 0.3855,
0.4399


 184.6494, 0.3621,
0.4015

 35.7282, 0.3927,
0.4526


226.3737, 0.3591,
0.3967

 24.2243, 0.4011,
0.4682

273.9527, 0.3564,
0.3926

 15.5001, 0.4106,
0.4876

327.7709, 0.3539,
0.3888

 9.1711, 0.4206,
0.5115

388.2127, 0.3518,

 4.8530, 0.4425,

0.3855

0.5575

455.6625, 0.3498,
0.3826

■ 2.1613, 0.4283,
0.5717

■ 0.6987, 0.3667,
0.6333

■ 90.7614, 0.3741,
0.4207

■ 90.7614, 0.3741,
0.4207

■ 88.9170, 0.3890,
0.4420

■ 92.8051, 0.3583,
0.3977

■ 87.2481, 0.4024,
0.4607

■ 95.0462, 0.3423,
0.3739

■ 85.7459, 0.4138,
0.4757

■ 97.4986, 0.3266,
0.3502

■ 84.3957, 0.4225,
0.4864

99.9896, 0.3127,
0.3290

■ 83.1803, 0.4285,
0.4927

■ 82.0735, 0.4320,
0.4949

■ 81.9878, 0.4322,
0.4950

Harmonies

Analogous

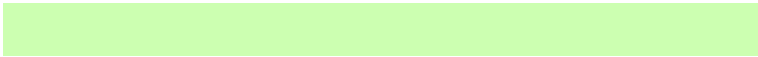
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7614, 0.4084, 0.3956



90.7614, 0.3741, 0.4207



90.7614, 0.3249, 0.4195

Triad

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



90.7614, 0.3741, 0.4207



90.7614, 0.2191, 0.2869



90.7614, 0.3468, 0.2799

Complementary

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



90.7614, 0.3741, 0.4207



39.9932, 0.2411, 0.2169

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.



90.7614, 0.2936, 0.2550



90.7614, 0.3741, 0.4207



90.7614, 0.2237, 0.2562

Square

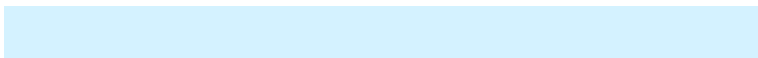
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.7614, 0.3741, 0.4207



90.7614, 0.2368, 0.3350



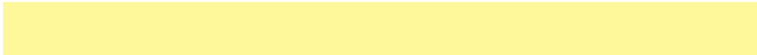
90.7614, 0.2496, 0.2460



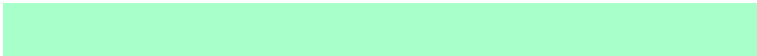
90.7614, 0.3933, 0.3161

Rectangle

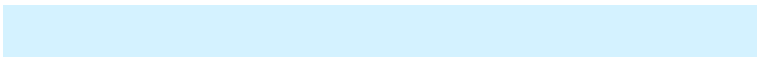
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.7614, 0.3741, 0.4207



90.7614, 0.2907, 0.4006



90.7614, 0.2496, 0.2460



90.7614, 0.3289, 0.2701

Sweetspot

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



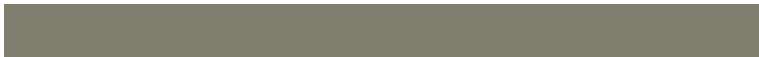
90.7655, 0.3741, 0.4207



96.8392, 0.3310, 0.3568



47.3447, 0.4033, 0.3205



20.6580, 0.3330, 0.3599



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

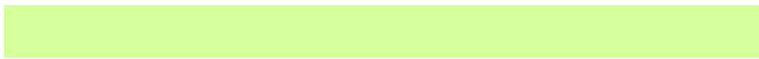
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7655, 0.3741, 0.4207



89.3528, 0.3858, 0.4375



88.0417, 0.3432, 0.4368



20.8626, 0.3271, 0.3509



42.9529, 0.4320, 0.4952



4.2442, 0.4304, 0.4965

Inverse Universe

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



39.9932, 0.2411, 0.2169



32.1631, 0.2247, 0.1904



42.4773, 0.2700, 0.2177



17.5796, 0.2978, 0.3061



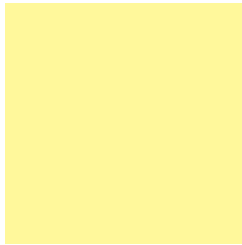
4.0667, 0.1512, 0.0642



0.4631, 0.1538, 0.0737

Previews

White Background



This preview shows how the Yxy color 90.7614, 0.3741, 0.4207 looks on a white background.

Color Contrast Check

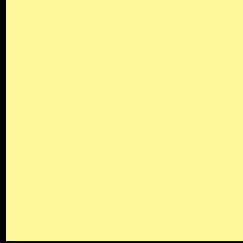
Large Text (above 18pt) WCAG AA × Fail

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 90.7614, 0.3741, 0.4207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

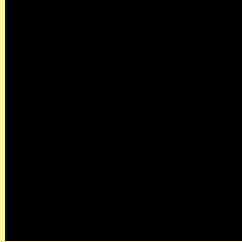
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7614, 0.3741, 0.4207

Background



This preview shows how black text looks on a background with the Yxy color 90.7614, 0.3741, 0.4207.

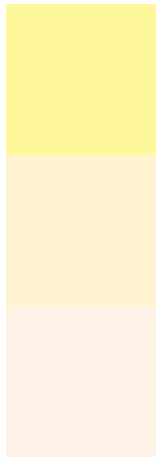


This preview shows how white text looks on a background with the Yxy color 90.7614, 0.3741, 0.4207.

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

90.7614, 0.3741, 0.4207

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

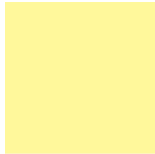
90.4774, 0.3287, 0.3408



Tritanopia

90.4197, 0.3171, 0.3203

Trichromacy



Original Color

90.7614, 0.3741, 0.4207



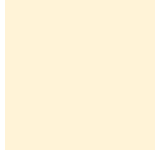
Protanomaly

90.1957, 0.3549, 0.3858



Deuteranomaly

90.2732, 0.3456, 0.3698



Tritanomaly

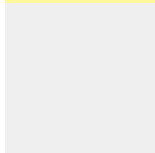
90.2675, 0.3381, 0.3567

Monochromacy



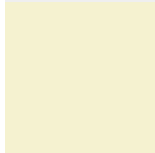
Original Color

90.7614, 0.3741, 0.4207



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 90.7614, 0.3741, 0.4207 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, 248, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 155) }
```

Border

The CSS property to change the border of an element to Yxy 90.7614, 0.3741, 0.4207 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, 248, 155) }
```

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

```
.border{ border-color:rgb(255, 248, 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, 248, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7614, 0.3741, 0.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 155) }
```

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

```
.background{ background-color: rgb(255,  
248, 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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