

Converting Colors

$Y_{xy}(100.0000, 0.3990, 0.4012)$

Have a look what the booklet for
Yxy(100.0000, 0.3990, 0.4012)
contains.

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Color

Yxy(90.4981, 0.3686, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7A5
RGB	255, 247, 165
RGB Percent	100%, 97%, 65%
CMY	0.0000, 0.0314, 0.3530
CMYK	0.00, 0.03, 0.35, 0.00
HSL	55°, 100%, 82%
HSV	55°, 35%, 100%
XYZ	81.3005, 90.4981, 48.7671
YIQ	240.0440, 31.0900, -23.8060

Conversions

Conversions Part 2

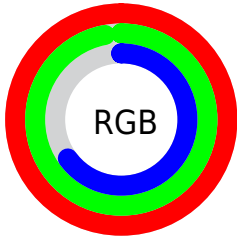
Format	Color
RYB	174, 255, 165
Decimal	16775077
CIELab	96.20, -9.00, 40.43
CIELCh	96, 41.422, 102.554
Yxy	90.4981, 0.3686, 0.4103
Android (android.graphics.Color)	4294965157 (0xFFFFF7A5)
YUV	240.0440, -36.9967, 13.1164
Hunter-Lab	95.1305, -13.9285, 36.1973

Details

The Yxy color **90.4981, 0.3686, 0.4103** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.0956, 0.2496, 0.2320**, and the grayscale version is **87.4459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **50.3018, 0.3792, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **88.2793, 0.3843, 0.4321**, and if you desaturate by 10%, it is **92.9129, 0.3524, 0.3873**.

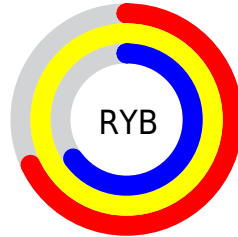
Distribution



Red (100%)

Green (97%)

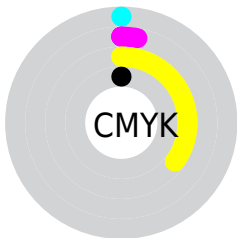
Blue (65%)



Red (68%)

Yellow (100%)

Blue (65%)

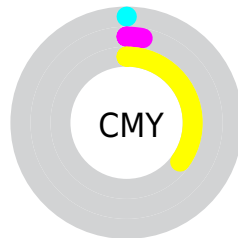


Cyan (0%)

Magenta (3%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4981, 0.3686, 0.4103 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 90.4981, 0.3686, 0.4103 by changing the saturation by 10% instead.


 90.4981, 0.3686,
0.4103


 90.4981, 0.3686,
0.4103


529.6498, 0.3446,
0.3740

 68.3938, 0.3736,
0.4181


 148.0301, 0.3607,
0.3981

 50.2182, 0.3794,
0.4276


 184.2266, 0.3575,
0.3932

 35.5868, 0.3863,
0.4391


225.8893, 0.3547,
0.3890

 24.1153, 0.3946,
0.4534

273.4026, 0.3522,
0.3852

 15.4191, 0.4044,
0.4714

327.1510, 0.3500,
0.3820

 9.1141, 0.4157,
0.4944

387.5187, 0.3480,

 4.8157, 0.4330,

0.3790

454.8901, 0.3462,
0.3764

0.5305

■ 2.1395, 0.4373,
0.5627

■ 0.6867, 0.3867,
0.6133

■ 90.4981, 0.3686,
0.4103

■ 90.4981, 0.3686,
0.4103

■ 88.2793, 0.3843,
0.4321

■ 92.9129, 0.3524,
0.3873

■ 86.2542, 0.3988,
0.4517

■ 95.5429, 0.3363,
0.3639

■ 84.4078, 0.4116,
0.4680

■ 98.3945, 0.3207,
0.3409

■ 82.7260, 0.4220,
0.4803

100.0000, 0.3127,
0.3290

■ 81.1927, 0.4297,
0.4880

■ 79.7878, 0.4345,
0.4914

■ 79.1590, 0.4362,
0.4919

Harmonies

Analogous

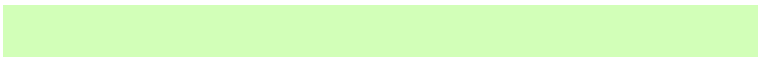
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4981, 0.3984, 0.3885



90.4981, 0.3686, 0.4103



90.4981, 0.3250, 0.4089

Triad

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



90.4981, 0.3686, 0.4103



90.4981, 0.2289, 0.2928



90.4981, 0.3422, 0.2845

Complementary

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



90.4981, 0.3686, 0.4103



45.0956, 0.2496, 0.2320

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.



90.4981, 0.2950, 0.2621



90.4981, 0.3686, 0.4103



90.4981, 0.2325, 0.2645

Square

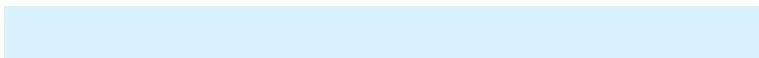
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.4981, 0.3686, 0.4103



90.4981, 0.2455, 0.3356



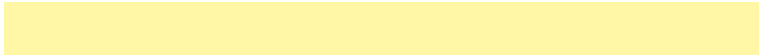
90.4981, 0.2557, 0.2545



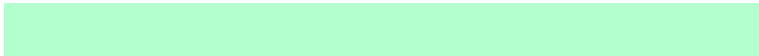
90.4981, 0.3835, 0.3171

Rectangle

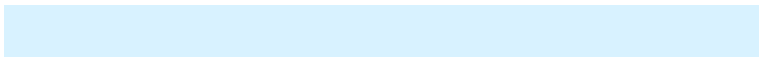
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.4981, 0.3686, 0.4103



90.4981, 0.2944, 0.3926



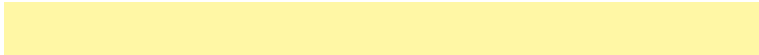
90.4981, 0.2557, 0.2545



90.4981, 0.3264, 0.2756

Sweetspot

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



90.4951, 0.3686, 0.4103



96.7425, 0.3295, 0.3539



51.2164, 0.3891, 0.3197



20.6250, 0.3316, 0.3570



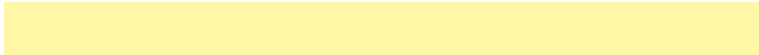
0.0000, 0.0000, 0.0000



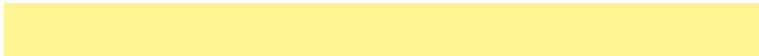
21.4041, 0.3127, 0.3290

Same Dimension

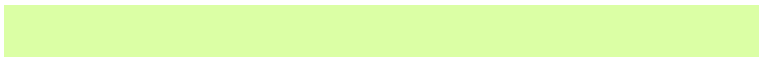
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4951, 0.3686, 0.4103



88.9897, 0.3792, 0.4251



89.2942, 0.3416, 0.4250



20.7982, 0.3271, 0.3504



41.4766, 0.4358, 0.4921



4.1161, 0.4337, 0.4938

Inverse Universe

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



45.0956, 0.2496, 0.2320



37.7634, 0.2357, 0.2100



46.5367, 0.2741, 0.2295



17.6372, 0.2979, 0.3066



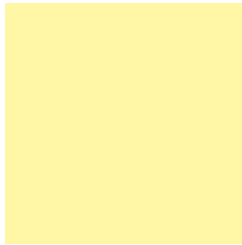
4.1736, 0.1516, 0.0657



0.4904, 0.1549, 0.0775

Previews

White Background



This preview shows how the Yxy color 90.4981, 0.3686, 0.4103 looks on a white background.

Color Contrast Check

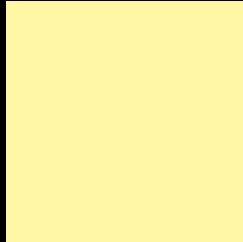
Large Text (above 18pt) WCAG AA × Fail

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 90.4981, 0.3686, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

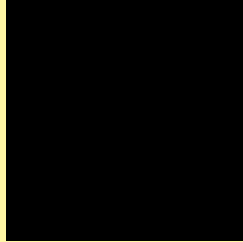
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.4981, 0.3686, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 90.4981, 0.3686, 0.4103.

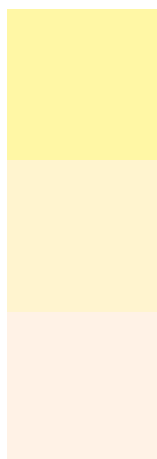


This preview shows how white text looks on a background with the Yxy color 90.4981, 0.3686, 0.4103.

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

90.4981, 0.3686, 0.4103

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

90.4774, 0.3287, 0.3408



Tritanopia

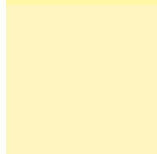
90.4197, 0.3171, 0.3203

Trichromacy



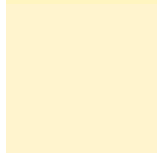
Original Color

90.4981, 0.3686, 0.4103



Protanomaly

90.3706, 0.3524, 0.3818



Deuteranomaly

90.4176, 0.3437, 0.3668



Tritanomaly

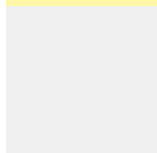
90.4231, 0.3362, 0.3537

Monochromacy



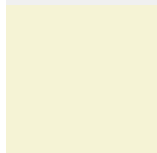
Original Color

90.4981, 0.3686, 0.4103



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.3178, 0.3326, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4981, 0.3686, 0.4103 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 165) }
```

Border

The CSS property to change the border of an element to Yxy 90.4981, 0.3686, 0.4103 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, 165) }
```

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

```
.border{ border-color:rgb(255, 247, 165) }
```

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, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4981, 0.3686, 0.4103 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, 165) }
```

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

```
.background{ background-color: rgb(255,  
247, 165) }
```

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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