

Converting Colors

$Yxy(93.3829, 0.3645, 0.4098)$

Have a look what the booklet for
Yxy(93.3829, 0.3645, 0.4098)
contains.

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Color

Yxy(93.1566, 0.3643, 0.4090)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBAA
RGB	255, 251, 170
RGB Percent	100%, 98%, 67%
CMY	0.0002, 0.0156, 0.3333
CMYK	0.00, 0.02, 0.33, 0.00
HSL	57°, 100%, 83%
HSV	57°, 33%, 100%
XYZ	82.9754, 93.1566, 51.6347
YIQ	242.9620, 28.3850, -24.3430

Conversions

Conversions Part 2

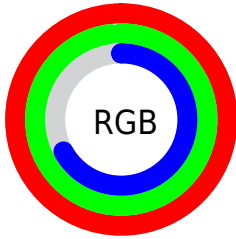
Format	Color
RYB	174, 255, 170
Decimal	16776106
CIELab	97.29, -10.46, 39.37
CIELCh	97, 40.731, 104.876
Yxy	93.1566, 0.3643, 0.4090
Android (android.graphics.Color)	4294966186 (0xFFFFFBAA)
YUV	242.9620, -35.9703, 10.5573
Hunter-Lab	96.5177, -15.4510, 35.8436

Details

The Yxy color **93.1566, 0.3643, 0.4090** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9983, 0.2530, 0.2340**, and the grayscale version is **89.8666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **52.1849, 0.3737, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **91.5562, 0.3794, 0.4319**, and if you desaturate by 10%, it is **94.9570, 0.3486, 0.3850**.

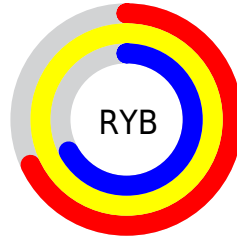
Distribution



Red (100%)

Green (98%)

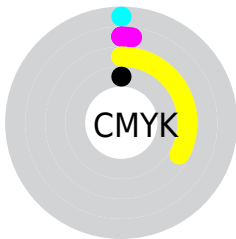
Blue (67%)



Red (68%)

Yellow (100%)

Blue (67%)

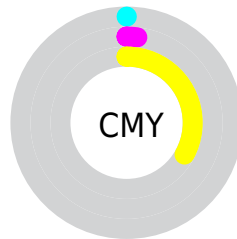


Cyan (0%)

Magenta (2%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.1566, 0.3643, 0.4090 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 93.1566, 0.3643, 0.4090 by changing the saturation by 10% instead.

 93.1566, 0.3643,
0.4090

 93.1566, 0.3643,
0.4090


538.2465, 0.3423,
0.3733

 70.6017, 0.3688,
0.4167


 151.7154, 0.3571,
0.3970

 52.0172, 0.3741,
0.4260


188.4881, 0.3541,
0.3922

 37.0188, 0.3805,
0.4374


230.7688, 0.3516,
0.3880

 25.2220, 0.3880,
0.4516

278.9419, 0.3493,
0.3844

 16.2426, 0.3969,
0.4695

333.3918, 0.3473,
0.3811

 9.6960, 0.4072,
0.4927

394.5030, 0.3454,

 5.1978, 0.4201,

0.3783

462.6598, 0.3438,
0.3757

0.5255

■ 2.3638, 0.4310,
0.5690

■ 0.8072, 0.3881,
0.6119

■ 93.1566, 0.3643,
0.4090

■ 93.1566, 0.3643,
0.4090

■ 91.5562, 0.3794,
0.4319

■ 94.9570, 0.3486,
0.3850

■ 90.1324, 0.3932,
0.4525

■ 96.9549, 0.3329,
0.3606

■ 88.8774, 0.4052,
0.4700

■ 99.1636, 0.3176,
0.3367

■ 87.7776, 0.4149,
0.4835

99.9883, 0.3127,
0.3290

■ 86.8176, 0.4218,
0.4926

■ 85.9784, 0.4261,
0.4973

■ 85.4667, 0.4277,
0.4986

Harmonies

Analogous

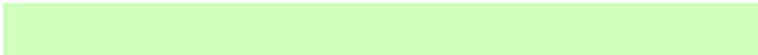
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1566, 0.3947, 0.3893



93.1566, 0.3643, 0.4090



93.1566, 0.3213, 0.4055

Triad

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



93.1566, 0.3643, 0.4090



93.1566, 0.2305, 0.2911



93.1566, 0.3450, 0.2877

Complementary

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



93.1566, 0.3643, 0.4090



45.9983, 0.2530, 0.2340

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.



93.1566, 0.2989, 0.2649



93.1566, 0.3643, 0.4090



93.1566, 0.2355, 0.2647

Square

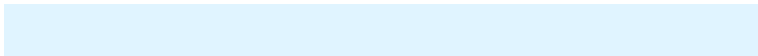
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.1566, 0.3643, 0.4090



93.1566, 0.2452, 0.3320



93.1566, 0.2596, 0.2563



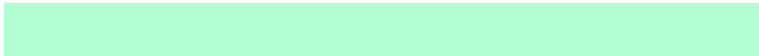
93.1566, 0.3841, 0.3203

Rectangle

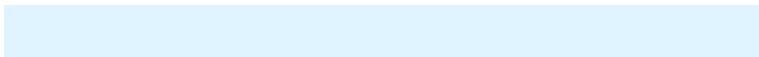
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.1566, 0.3643, 0.4090



93.1566, 0.2916, 0.3883



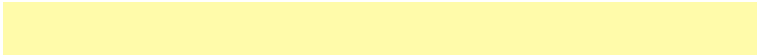
93.1566, 0.2596, 0.2563



93.1566, 0.3297, 0.2788

Sweetspot

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



93.1608, 0.3643, 0.4090



97.7180, 0.3278, 0.3526



53.0617, 0.3871, 0.3247



20.8507, 0.3300, 0.3560



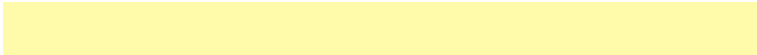
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

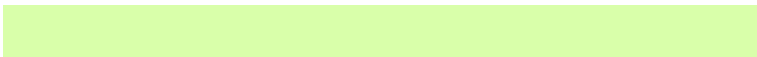
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.1608, 0.3643, 0.4090



92.1189, 0.3745, 0.4245



89.0906, 0.3373, 0.4201



20.9388, 0.3270, 0.3514



44.7457, 0.4276, 0.4987



4.3993, 0.4266, 0.4995

Inverse Universe

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



45.9983, 0.2530, 0.2340



38.3431, 0.2390, 0.2113



49.4058, 0.2800, 0.2365



17.5118, 0.2978, 0.3056



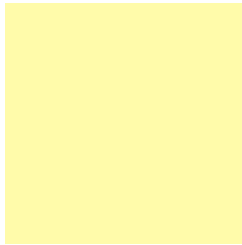
3.9638, 0.1508, 0.0627



0.4311, 0.1526, 0.0692

Previews

White Background



This preview shows how the Yxy color 93.1566, 0.3643, 0.4090 looks on a white background.

Color Contrast Check

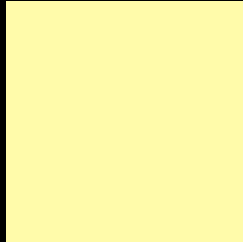
Large Text (above 18pt) WCAG AA × Fail

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 93.1566, 0.3643, 0.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

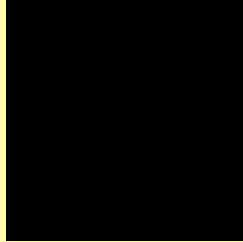
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.1566, 0.3643, 0.4090

Background



This preview shows how black text looks on a background with the Yxy color 93.1566, 0.3643, 0.4090.



This preview shows how white text looks on a background with the Yxy color 93.1566, 0.3643, 0.4090.

Color Blindness Simulation

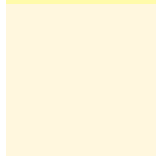
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



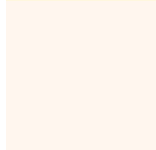
Original Color

93.1566, 0.3643, 0.4090



Protanopia

93.0555, 0.3332, 0.3536



Deuteranopia

93.3446, 0.3234, 0.3368



Tritanopia

92.9896, 0.3150, 0.3213

Trichromacy



Original Color

93.1566, 0.3643, 0.4090



Protanomaly

92.7066, 0.3449, 0.3736



Deuteranomaly

93.1989, 0.3386, 0.3635



Tritanomaly

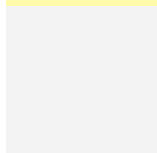
93.0555, 0.3332, 0.3536

Monochromacy



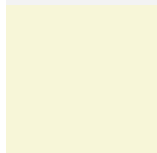
Original Color

93.1566, 0.3643, 0.4090



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.6436, 0.3316, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.1566, 0.3643, 0.4090 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, 251, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 170)  
}
```

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, 251, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 170) }
```

Border

The CSS property to change the border of an element to Yxy 93.1566, 0.3643, 0.4090 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, 251, 170) }
```

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

```
.border{ border-color:rgb(255, 251, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 93.1566, 0.3643, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 170) }
```

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

```
.background{ background-color: rgb(255,  
251, 170) }
```

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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