

Converting Colors

$Y_{xy}(130.4793, 0.4694, 0.3775)$

Have a look what the booklet for
Yxy(130.4793, 0.4694, 0.3775)
contains.

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Color

Yxy(88.1144, 0.3692, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	FFF3A6
RGB	255, 243, 166
RGB Percent	100%, 95%, 65%
CMY	0.0001, 0.0470, 0.3490
CMYK	0.00, 0.05, 0.35, 0.00
HSL	52°, 100%, 83%
HSV	52°, 35%, 100%
XYZ	80.1672, 88.1144, 48.8559
YIQ	237.8100, 31.8690, -21.4030

Conversions

Conversions Part 2

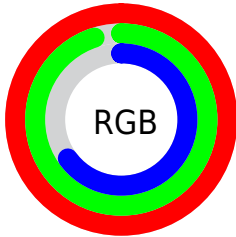
Format	Color
R_{YB}	180, 255, 166
Decimal	16774054
CIE _{Lab}	95.21, -6.94, 38.63
CIE _{LCh}	95, 39.243, 100.180
Yxy	88.1144, 0.3692, 0.4058
Android (android.graphics.Color)	4294964134 (0xFFFFF3A6)
YUV	237.8100, -35.4023, 15.0756
Hunter-Lab	93.8693, -11.8269, 34.8499

Details

The Yxy color **88.1144, 0.3692, 0.4058** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.1504, 0.2510, 0.2382**, and the grayscale version is **85.6062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **48.6032, 0.3804, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **85.2405, 0.3858, 0.4269**, and if you desaturate by 10%, it is **91.2202, 0.3524, 0.3837**.

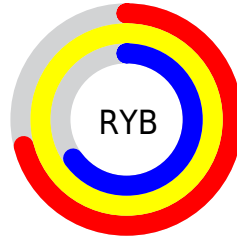
Distribution



Red (100%)

Green (95%)

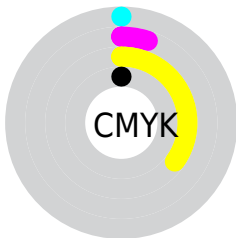
Blue (65%)



Red (71%)

Yellow (100%)

Blue (65%)

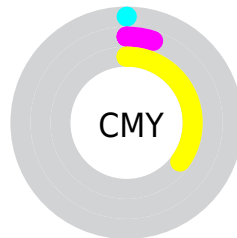


Cyan (0%)

Magenta (5%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1144, 0.3692, 0.4058 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 88.1144, 0.3692, 0.4058 by changing the saturation by 10% instead.


 88.1144, 0.3692,
0.4058


 88.1144, 0.3692,
0.4058


521.8778, 0.3447,
0.3715

 66.4178, 0.3743,
0.4132


 144.7164, 0.3611,
0.3942

 48.6117, 0.3804,
0.4222

 180.3906, 0.3578,
0.3896

 34.3115, 0.3877,
0.4332


221.4929, 0.3549,
0.3856

 23.1330, 0.3965,
0.4468

268.4075, 0.3524,
0.3821

 14.6918, 0.4072,
0.4641

321.5189, 0.3501,
0.3790

 8.6033, 0.4198,
0.4860

381.2115, 0.3481,

 4.4834, 0.4395,

0.3762

0.5211

447.8696, 0.3463,
0.3737

■ 1.9475, 0.4478,
0.5522

■ 0.5767, 0.3965,
0.6035

■ 88.1144, 0.3692,
0.4058

■ 88.1144, 0.3692,
0.4058

■ 85.2405, 0.3858,
0.4269

■ 91.2202, 0.3524,
0.3837

■ 82.5751, 0.4016,
0.4459

■ 94.5561, 0.3359,
0.3613

■ 80.1099, 0.4158,
0.4619

■ 98.1358, 0.3201,
0.3394

■ 77.8310, 0.4277,
0.4738

99.9959, 0.3127,
0.3290

■ 75.7221, 0.4370,
0.4813

■ 73.7633, 0.4433,
0.4841

■ 72.8074, 0.4457,
0.4843

Harmonies

Analogous

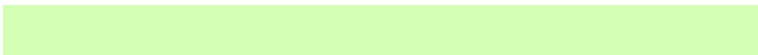
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1144, 0.3961, 0.3839



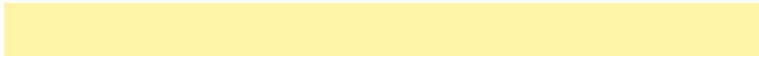
88.1144, 0.3692, 0.4058



88.1144, 0.3281, 0.4063

Triad

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



88.1144, 0.3692, 0.4058



88.1144, 0.2329, 0.2974



88.1144, 0.3374, 0.2842

Complementary

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



88.1144, 0.3692, 0.4058



47.1504, 0.2510, 0.2382

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.



88.1144, 0.2924, 0.2637



88.1144, 0.3692, 0.4058



88.1144, 0.2348, 0.2688

Square

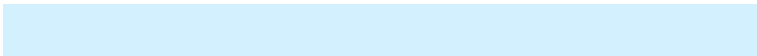
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1144, 0.3692, 0.4058



88.1144, 0.2504, 0.3390



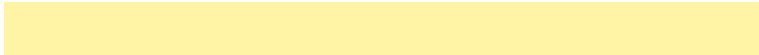
88.1144, 0.2557, 0.2577



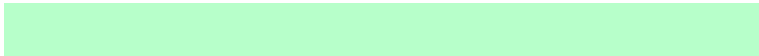
88.1144, 0.3778, 0.3150

Rectangle

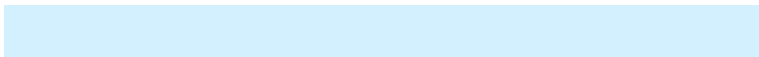
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.1144, 0.3692, 0.4058



88.1144, 0.2987, 0.3920



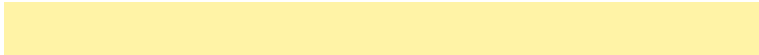
88.1144, 0.2557, 0.2577



88.1144, 0.3222, 0.2759

Sweetspot

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



88.1184, 0.3692, 0.4058



96.2970, 0.3280, 0.3505



51.7956, 0.3836, 0.3152



20.5044, 0.3303, 0.3536



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

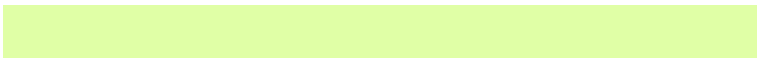
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1184, 0.3692, 0.4058



86.0686, 0.3811, 0.4209



90.0801, 0.3442, 0.4229



20.6495, 0.3272, 0.3494



38.2123, 0.4452, 0.4847



3.8310, 0.4418, 0.4874

Inverse Universe

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



47.1504, 0.2510, 0.2382



39.4533, 0.2367, 0.2160



46.3789, 0.2713, 0.2298



17.7714, 0.2979, 0.3078



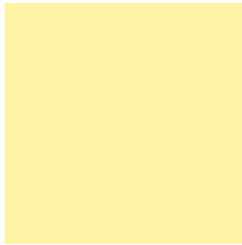
4.4988, 0.1528, 0.0702



0.5534, 0.1572, 0.0860

Previews

White Background



This preview shows how the Yxy color 88.1144, 0.3692, 0.4058 looks on a white background.

Color Contrast Check

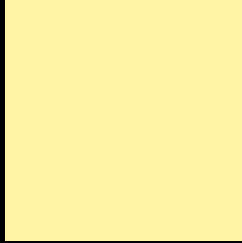
Large Text (above 18pt) WCAG AA × Fail

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 88.1144, 0.3692, 0.4058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

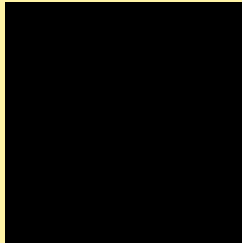
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.1144, 0.3692, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 88.1144, 0.3692, 0.4058.

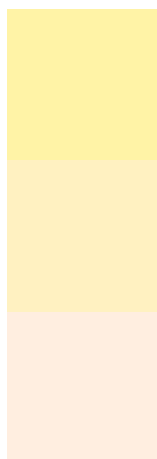


This preview shows how white text looks on a background with the Yxy color 88.1144, 0.3692, 0.4058.

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

88.1144, 0.3692, 0.4058

Protanopia

88.0208, 0.3526, 0.3771

Deuteranopia

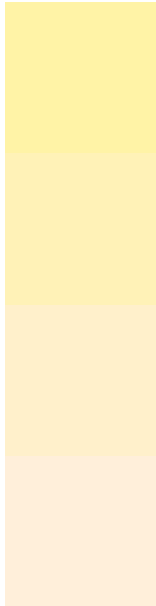
87.7909, 0.3330, 0.3429



Tritanopia

87.9663, 0.3186, 0.3183

Trichromacy



Original Color

88.1144, 0.3692, 0.4058

Protanomaly

88.1832, 0.3588, 0.3881

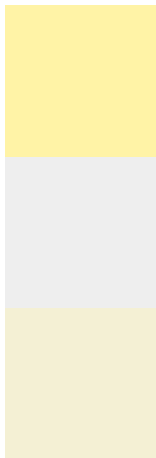
Deuteranomaly

87.8920, 0.3464, 0.3660

Tritanomaly

88.0550, 0.3368, 0.3499

Monochromacy



Original Color

88.1144, 0.3692, 0.4058

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.3067, 0.3329, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1144, 0.3692, 0.4058 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, 243, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 166)  
}
```

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, 243, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 166) }
```

Border

The CSS property to change the border of an element to Yxy 88.1144, 0.3692, 0.4058 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, 243, 166) }
```

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

```
.border{ border-color:rgb(255, 243, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 243, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1144, 0.3692, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 166) }
```

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

```
.background{ background-color: rgb(255,  
243, 166) }
```

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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