

Converting Colors

$Yxy(90.0083, 0.4027, 0.4023)$

Have a look what the booklet for
Yxy(90.0083, 0.4027, 0.4023)
contains.

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Color

Yxy(83.0432, 0.3788, 0.4093)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB9B
RGB	255, 235, 155
RGB Percent	100%, 92%, 61%
CMY	0.0001, 0.0784, 0.3921
CMYK	0.00, 0.08, 0.39, 0.00
HSL	48°, 100%, 80%
HSV	48°, 39%, 100%
XYZ	76.8550, 83.0432, 42.9926
YIQ	231.8600, 37.6000, -20.6400

Conversions

Conversions Part 2

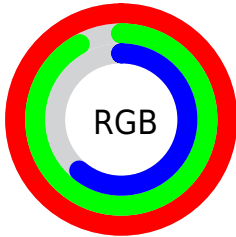
Format	Color
R _Y B	180, 255, 155
Decimal	16771995
CIE Lab	93.03, -4.16, 41.26
CIE LCh	93, 41.471, 95.750
Yxy	83.0432, 0.3788, 0.4093
Android (android.graphics.Color)	4294962075 (0xFFFFE9B)
YUV	231.8600, -37.8920, 20.2938
Hunter-Lab	91.1280, -8.9318, 35.8177

Details

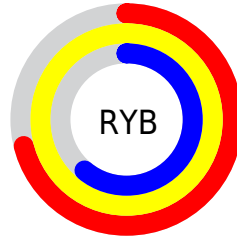
The Yxy color **83.0432, 0.3788, 0.4093** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.8298, 0.2436, 0.2329**, and the grayscale version is **80.8534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **45.0898, 0.3923, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **79.4068, 0.3966, 0.4285**, and if you desaturate by 10%, it is **86.9514, 0.3609, 0.3888**.

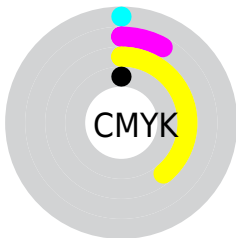
Distribution



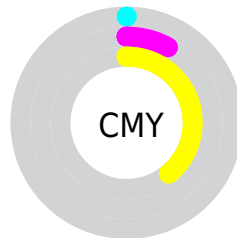
- Red (100%)
- Green (92%)
- Blue (61%)



- Red (71%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (8%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0432, 0.3788, 0.4093 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 83.0432, 0.3788, 0.4093 by changing the saturation by 10% instead.


 83.0432, 0.3788,
0.4093


 83.0432, 0.3788,
0.4093


505.1305, 0.3498,
0.3734

 62.2258, 0.3849,
0.4170

 137.6360, 0.3691,
0.3972

 45.2152, 0.3922,
0.4263


 172.1801, 0.3652,
0.3924

 31.6269, 0.4009,
0.4376

212.0686, 0.3618,
0.3882

 21.0767, 0.4114,
0.4515

257.6859, 0.3588,
0.3845

 13.1801, 0.4240,
0.4687

309.4163, 0.3562,
0.3812

 7.5527, 0.4386,
0.4898

367.6443, 0.3538,

 3.8101, 0.4686,

0.3783

0.5314

432.7542, 0.3517,
0.3757

■ 1.5679, 0.4620,
0.5380

■ 0.3358, 0.3934,
0.6066

■ 83.0432, 0.3788,
0.4093

■ 83.0432, 0.3788,
0.4093

■ 79.4068, 0.3966,
0.4285

■ 86.9514, 0.3609,
0.3888

■ 76.0186, 0.4137,
0.4454

■ 91.1311, 0.3435,
0.3679

■ 72.8690, 0.4292,
0.4589

■ 95.5965, 0.3269,
0.3473

■ 69.9425, 0.4423,
0.4681

99.9928, 0.3127,
0.3290

■ 67.2212, 0.4525,
0.4726

■ 64.6783, 0.4600,
0.4726

■ 64.4805, 0.4605,
0.4725

Harmonies

Analogous

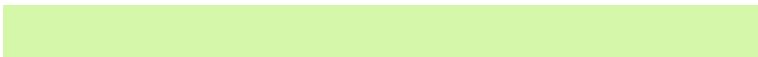
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0432, 0.4048, 0.3827



83.0432, 0.3788, 0.4093



83.0432, 0.3360, 0.4144

Triad

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



83.0432, 0.3788, 0.4093



83.0432, 0.2286, 0.3006



83.0432, 0.3320, 0.2769

Complementary

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



83.0432, 0.3788, 0.4093



44.8298, 0.2436, 0.2329

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.



83.0432, 0.2841, 0.2571



83.0432, 0.3788, 0.4093



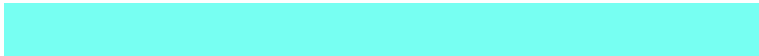
83.0432, 0.2276, 0.2675

Square

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



83.0432, 0.3788, 0.4093



83.0432, 0.2502, 0.3467



83.0432, 0.2470, 0.2531



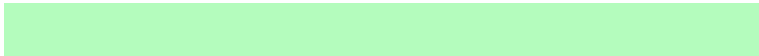
83.0432, 0.3774, 0.3085

Rectangle

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



83.0432, 0.3788, 0.4093



83.0432, 0.3043, 0.4018



83.0432, 0.2470, 0.2531



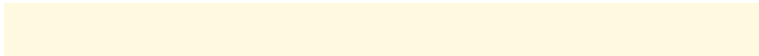
83.0432, 0.3155, 0.2688

Sweetspot

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



83.0470, 0.3788, 0.4093



94.3495, 0.3314, 0.3530



47.7946, 0.3914, 0.3082



20.0685, 0.3336, 0.3557



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

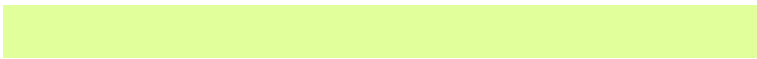
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0470, 0.3788, 0.4093



80.2133, 0.3927, 0.4244



89.8667, 0.3511, 0.4339



20.4386, 0.3274, 0.3479



33.9203, 0.4597, 0.4732



3.4519, 0.4542, 0.4775

Inverse Universe

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



44.8298, 0.2436, 0.2329



37.2018, 0.2282, 0.2098



40.9780, 0.2611, 0.2150



17.9645, 0.2979, 0.3094



5.1692, 0.1554, 0.0793



0.6481, 0.1607, 0.0984

Previews

White Background



This preview shows how the Yxy color 83.0432, 0.3788, 0.4093 looks on a white background.

Color Contrast Check

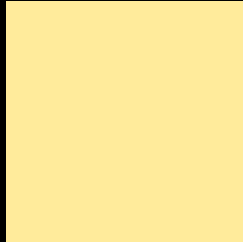
Large Text (above 18pt) WCAG AA × Fail

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 83.0432, 0.3788, 0.4093 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 83.0432, 0.3788, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 83.0432, 0.3788, 0.4093.



This preview shows how white text looks on a background with the Yxy color 83.0432, 0.3788, 0.4093.

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

83.0432, 0.3788, 0.4093

Protanopia

83.0770, 0.3782, 0.4083

Deuteranopia

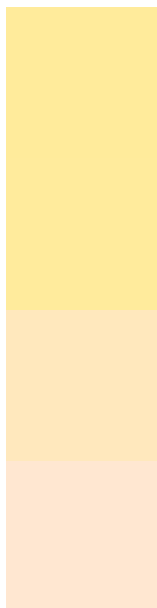
82.9659, 0.3447, 0.3522



Tritanopia

83.0381, 0.3236, 0.3172

Trichromacy



Original Color

83.0432, 0.3788, 0.4093

Protanomaly

83.0770, 0.3782, 0.4083

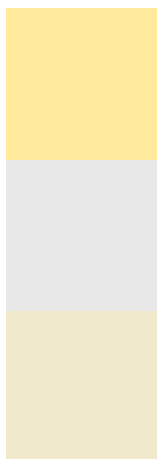
Deuteranomaly

82.6473, 0.3574, 0.3725

Tritanomaly

83.0153, 0.3440, 0.3512

Monochromacy



Original Color

83.0432, 0.3788, 0.4093

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.1627, 0.3363, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0432, 0.3788, 0.4093 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, 235, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 155) }
```

Border

The CSS property to change the border of an element to Yxy 83.0432, 0.3788, 0.4093 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, 235, 155) }
```

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

```
.border{ border-color:rgb(255, 235, 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, 235, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0432, 0.3788, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 155) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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