

Converting Colors

$Y_{xy}(100.0000, 0.4227, 0.3880)$

Have a look what the booklet for
Yxy(100.0000, 0.4227, 0.3880)
contains.

Yxy(83.9312, 0.3728, 0.4014)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.9312, 0.3728, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	FFECA4
RGB	255, 236, 164
RGB Percent	100%, 93%, 64%
CMY	0.0000, 0.0746, 0.3569
CMYK	0.00, 0.07, 0.36, 0.00
HSL	47°, 100%, 82%
HSV	47°, 36%, 100%
XYZ	77.9510, 83.9312, 47.2139
YIQ	233.4730, 34.4360, -18.3640

Conversions

Conversions Part 2

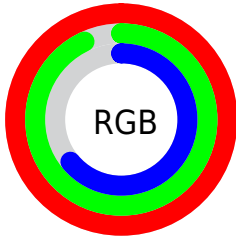
Format	Color
R _Y B	188, 255, 164
Decimal	16772260
CIE Lab	93.42, -3.62, 37.28
CIE LCh	93, 37.452, 95.547
Yxy	83.9312, 0.3728, 0.4014
Android (android.graphics.Color)	4294962340 (0xFFFFECA4)
YUV	233.4730, -34.2502, 18.8792
Hunter-Lab	91.6140, -8.4452, 33.5743

Details

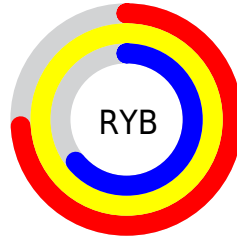
The Yxy color **83.9312, 0.3728, 0.4014** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.9855, 0.2506, 0.2441**, and the grayscale version is **82.0984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **45.6605, 0.3855, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **80.0719, 0.3909, 0.4210**, and if you desaturate by 10%, it is **88.0539, 0.3548, 0.3809**.

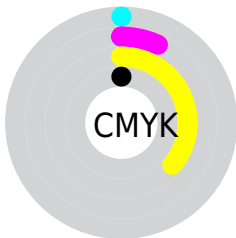
Distribution



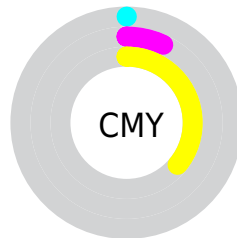
- Red (100%)
- Green (93%)
- Blue (64%)



- Red (74%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (7%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9312, 0.3728, 0.4014 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 83.9312, 0.3728, 0.4014 by changing the saturation by 10% instead.

 83.9312, 0.3728,
0.4014


 83.9312, 0.3728,
0.4014

508.0847, 0.3463,
0.3690

 62.9586, 0.3785,
0.4084


 138.8789, 0.3639,
0.3904

 45.8077, 0.3852,
0.4169

 173.6229, 0.3604,
0.3861

 32.0941, 0.3934,
0.4273


213.7261, 0.3573,
0.3823

 21.4334, 0.4034,
0.4402

259.5730, 0.3545,
0.3790

 13.4412, 0.4157,
0.4564

311.5479, 0.3521,
0.3760

 7.7330, 0.4306,
0.4770

370.0352, 0.3500,

 3.9246, 0.4578,

0.3734

0.5138

435.4194, 0.3480,
0.3711

■ 1.6315, 0.4656,
0.5344

■ 0.3787, 0.4176,
0.5824

■ 83.9312, 0.3728,
0.4014

■ 83.9312, 0.3728,
0.4014

■ 80.0719, 0.3909,
0.4210

■ 88.0539, 0.3548,
0.3809

■ 76.4833, 0.4086,
0.4387

■ 92.4702, 0.3376,
0.3602

■ 73.1460, 0.4250,
0.4533

■ 97.1839, 0.3214,
0.3401

■ 70.0452, 0.4394,
0.4640

100.0000, 0.3127,
0.3290

■ 67.1639, 0.4511,
0.4700

■ 64.4811, 0.4597,
0.4713

■ 63.3721, 0.4628,
0.4708

Harmonies

Analogous

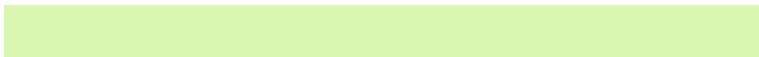
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9312, 0.3958, 0.3779



83.9312, 0.3728, 0.4014



83.9312, 0.3344, 0.4054

Triad

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



83.9312, 0.3728, 0.4014



83.9312, 0.2365, 0.3041



83.9312, 0.3299, 0.2816

Complementary

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



83.9312, 0.3728, 0.4014



48.9855, 0.2506, 0.2441

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.



83.9312, 0.2868, 0.2635



83.9312, 0.3728, 0.4014



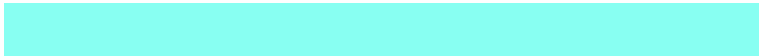
83.9312, 0.2354, 0.2738

Square

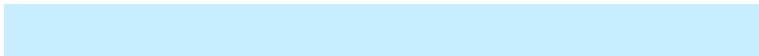
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9312, 0.3728, 0.4014



83.9312, 0.2564, 0.3454



83.9312, 0.2531, 0.2602



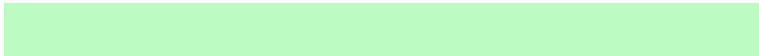
83.9312, 0.3707, 0.3104

Rectangle

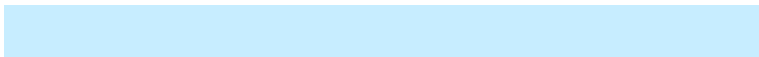
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9312, 0.3728, 0.4014



83.9312, 0.3057, 0.3941



83.9312, 0.2531, 0.2602



83.9312, 0.3151, 0.2741

Sweetspot

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



83.9248, 0.3728, 0.4014



94.6411, 0.3299, 0.3507



51.2607, 0.3800, 0.3085



20.1212, 0.3321, 0.3534



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

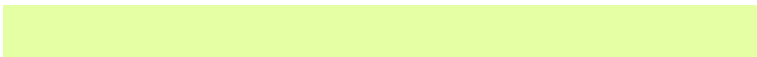
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9248, 0.3728, 0.4014



81.0800, 0.3860, 0.4159



90.8942, 0.3490, 0.4238



20.4084, 0.3274, 0.3477



33.3367, 0.4619, 0.4714



3.3999, 0.4561, 0.4761

Inverse Universe

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



48.9855, 0.2506, 0.2441



41.3723, 0.2363, 0.2230



44.6913, 0.2656, 0.2261



17.9925, 0.2979, 0.3096



5.2872, 0.1558, 0.0809



0.6634, 0.1612, 0.1003

Previews

White Background



This preview shows how the Yxy color 83.9312, 0.3728, 0.4014 looks on a white background.

Color Contrast Check

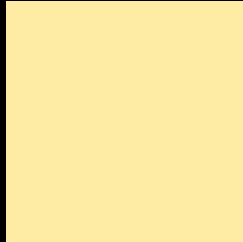
Large Text (above 18pt) WCAG AA × Fail

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 83.9312, 0.3728, 0.4014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

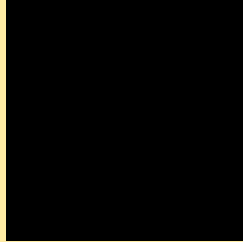
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9312, 0.3728, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 83.9312, 0.3728, 0.4014.



This preview shows how white text looks on a background with the Yxy color 83.9312, 0.3728, 0.4014.

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

83.9312, 0.3728, 0.4014

Protanopia

83.9312, 0.3728, 0.4014

Deuteranopia

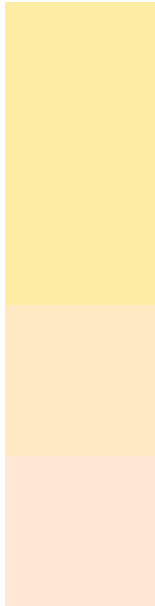
83.7267, 0.3418, 0.3491



Tritanopia

83.6495, 0.3229, 0.3173

Trichromacy



Original Color

83.9312, 0.3728, 0.4014

Protanomaly

83.9312, 0.3728, 0.4014

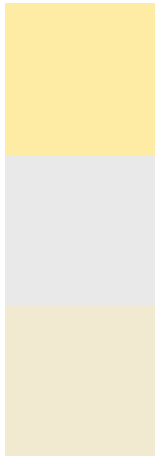
Deuteranomaly

83.4780, 0.3531, 0.3674

Tritanomaly

83.7773, 0.3411, 0.3481

Monochromacy



Original Color

83.9312, 0.3728, 0.4014

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1005, 0.3342, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9312, 0.3728, 0.4014 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, 236, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 164)  
}
```

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, 236, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 164) }
```

Border

The CSS property to change the border of an element to Yxy 83.9312, 0.3728, 0.4014 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, 236, 164) }
```

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

```
.border{ border-color:rgb(255, 236, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9312, 0.3728, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 164) }
```

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

```
.background{ background-color: rgb(255,  
236, 164) }
```

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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