

Converting Colors

$Y_{xy}(100.0000, 0.4184, 0.3905)$

Have a look what the booklet for
Yxy(100.0000, 0.4184, 0.3905)
contains.

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Color

Yxy(85.0894, 0.3721, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEA4
RGB	255, 238, 164
RGB Percent	100%, 93%, 64%
CMY	0.0000, 0.0667, 0.3567
CMYK	0.00, 0.07, 0.36, 0.00
HSL	49°, 100%, 82%
HSV	49°, 36%, 100%
XYZ	78.5262, 85.0894, 47.4196
YIQ	234.6470, 33.8860, -19.4100

Conversions

Conversions Part 2

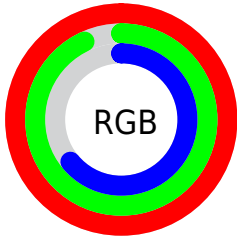
Format	Color
R _Y B	185, 255, 164
Decimal	16772772
CIE Lab	93.92, -4.63, 37.92
CIE LCh	94, 38.203, 96.964
Yxy	85.0894, 0.3721, 0.4032
Android (android.graphics.Color)	4294962852 (0xFFFFEEA4)
YUV	234.6470, -34.8290, 17.8496
Hunter-Lab	92.2439, -9.4718, 34.0917

Details

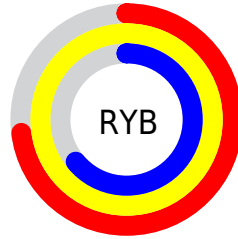
The Yxy color **85.0894, 0.3721, 0.4032** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.1774, 0.2503, 0.2417**, and the grayscale version is **83.0448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **46.4739, 0.3845, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **81.5170, 0.3897, 0.4232**, and if you desaturate by 10%, it is **88.9154, 0.3545, 0.3822**.

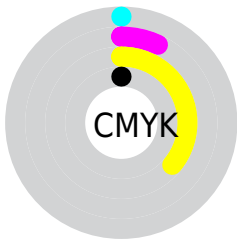
Distribution



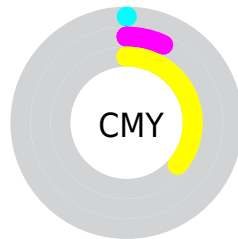
- Red (100%)
- Green (93%)
- Blue (64%)



- Red (73%)
- 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 85.0894, 0.3721, 0.4032 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 85.0894, 0.3721, 0.4032 by changing the saturation by 10% instead.


 85.0894, 0.3721,
0.4032


 85.0894, 0.3721,
0.4032


511.9238, 0.3460,
0.3700

 63.9153, 0.3776,
0.4104


 140.4981, 0.3634,
0.3920

 46.5820, 0.3842,
0.4191


 175.5014, 0.3599,
0.3875

 32.7054, 0.3922,
0.4297


215.8832, 0.3568,
0.3836

 21.9008, 0.4018,
0.4429

262.0280, 0.3542,
0.3802

 13.7840, 0.4137,
0.4595

314.3200, 0.3518,
0.3772

 7.9706, 0.4279,
0.4805

373.1437, 0.3497,

 4.0762, 0.4531,

0.3745

0.5174

438.8835, 0.3477,
0.3721

■ 1.7163, 0.4600,
0.5400

■ 0.4341, 0.4083,
0.5917

■ 85.0894, 0.3721,
0.4032

■ 85.0894, 0.3721,
0.4032

■ 81.5170, 0.3897,
0.4232

■ 88.9154, 0.3545,
0.3822

■ 78.1934, 0.4068,
0.4412

■ 93.0127, 0.3374,
0.3610

■ 75.1036, 0.4225,
0.4562

■ 97.3889, 0.3213,
0.3404

■ 72.2330, 0.4361,
0.4672

100.0000, 0.3127,
0.3290

■ 69.5648, 0.4469,
0.4736

■ 67.0783, 0.4548,
0.4752

■ 66.0464, 0.4575,
0.4749

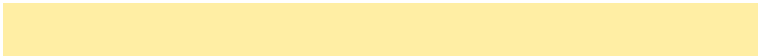
Harmonies

Analogous

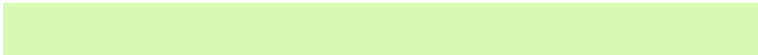
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0894, 0.3964, 0.3800



85.0894, 0.3721, 0.4032



85.0894, 0.3326, 0.4062

Triad

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



85.0894, 0.3721, 0.4032



85.0894, 0.2349, 0.3018



85.0894, 0.3323, 0.2820

Complementary

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



85.0894, 0.3721, 0.4032



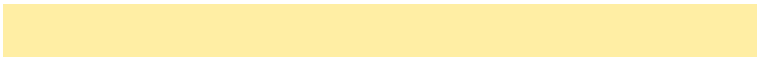
48.1774, 0.2503, 0.2417

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.



85.0894, 0.2883, 0.2632



85.0894, 0.3721, 0.4032



85.0894, 0.2348, 0.2719

Square

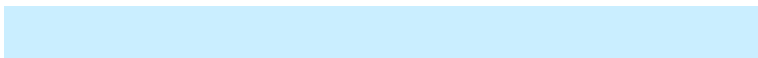
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0894, 0.3721, 0.4032



85.0894, 0.2542, 0.3436



85.0894, 0.2535, 0.2590



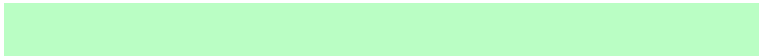
85.0894, 0.3732, 0.3117

Rectangle

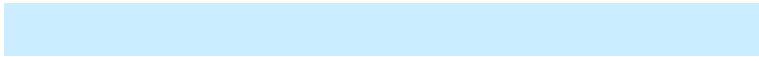
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0894, 0.3721, 0.4032



85.0894, 0.3035, 0.3940



85.0894, 0.2535, 0.2590



85.0894, 0.3173, 0.2743

Sweetspot

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



85.0871, 0.3721, 0.4032



95.0232, 0.3298, 0.3513



51.2079, 0.3814, 0.3101



20.2127, 0.3320, 0.3541



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

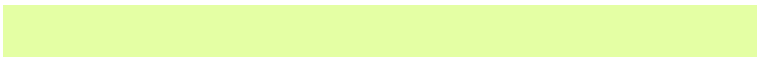
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0871, 0.3721, 0.4032



82.4473, 0.3850, 0.4180



90.6477, 0.3479, 0.4241



20.4793, 0.3274, 0.3482



34.7178, 0.4568, 0.4755



3.5227, 0.4517, 0.4795

Inverse Universe

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



48.1774, 0.2503, 0.2417



40.4886, 0.2358, 0.2200



44.8992, 0.2668, 0.2264



17.9270, 0.2979, 0.3091



5.0194, 0.1548, 0.0773



0.6283, 0.1600, 0.0958

Previews

White Background



This preview shows how the Yxy color 85.0894, 0.3721, 0.4032 looks on a white background.

Color Contrast Check

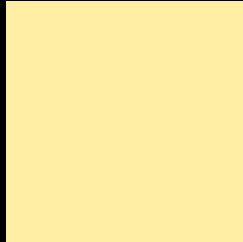
Large Text (above 18pt) WCAG AA × Fail

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 85.0894, 0.3721, 0.4032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

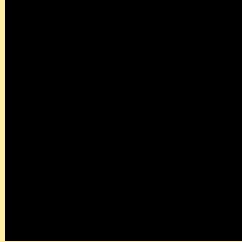
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0894, 0.3721, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 85.0894, 0.3721, 0.4032.



This preview shows how white text looks on a background with the Yxy color 85.0894, 0.3721, 0.4032.

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

85.0894, 0.3721, 0.4032

Protanopia

84.8455, 0.3666, 0.3934

Deuteranopia

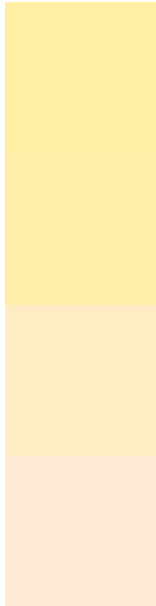
85.0119, 0.3395, 0.3480



Tritanopia

84.8829, 0.3214, 0.3173

Trichromacy



Original Color

85.0894, 0.3721, 0.4032

Protanomaly

84.7307, 0.3686, 0.3964

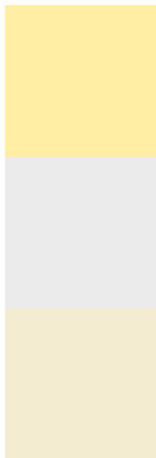
Deuteranomaly

84.6622, 0.3520, 0.3683

Tritanomaly

84.9607, 0.3402, 0.3490

Monochromacy



Original Color

85.0894, 0.3721, 0.4032

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4716, 0.3340, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0894, 0.3721, 0.4032 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, 238, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 164) }
```

Border

The CSS property to change the border of an element to Yxy 85.0894, 0.3721, 0.4032 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, 238, 164) }
```

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

```
.border{ border-color:rgb(255, 238, 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, 238, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0894, 0.3721, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 164) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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