

Converting Colors

$Y_{xy}(92.8763, 0.4192, 0.3920)$

Have a look what the booklet for
Yxy(92.8763, 0.4192, 0.3920)
contains.

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Color

Yxy(80.8461, 0.3790, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	FFE79D
RGB	255, 231, 157
RGB Percent	100%, 91%, 62%
CMY	0.0001, 0.0941, 0.3842
CMYK	0.00, 0.09, 0.38, 0.00
HSL	45°, 100%, 81%
HSV	45°, 38%, 100%
XYZ	75.8996, 80.8461, 43.5171
YIQ	229.7400, 38.0580, -17.9260

Conversions

Conversions Part 2

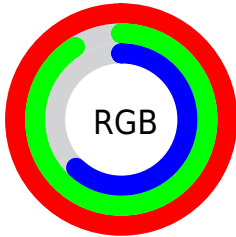
Format	Color
R _Y B	189, 255, 157
Decimal	16770973
CIE Lab	92.06, -1.91, 39.00
CIE LCh	92, 39.042, 92.806
Yxy	80.8461, 0.3790, 0.4037
Android (android.graphics.Color)	4294961053 (0xFFFFE79D)
YUV	229.7400, -35.8608, 22.1530
Hunter-Lab	89.9145, -6.6729, 34.2447

Details

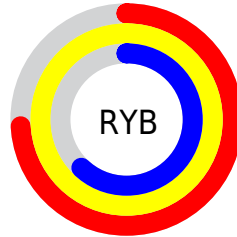
The Yxy color **80.8461, 0.3790, 0.4037** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.4419, 0.2460, 0.2407**, and the grayscale version is **79.1803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **43.9409, 0.3925, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **76.6358, 0.3979, 0.4222**, and if you desaturate by 10%, it is **85.3702, 0.3603, 0.3841**.

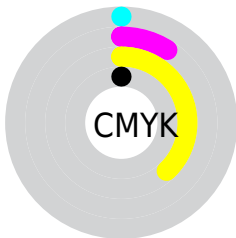
Distribution



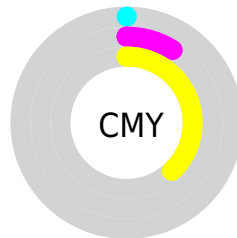
- Red (100%)
- Green (91%)
- Blue (62%)



- Red (74%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (9%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8461, 0.3790, 0.4037 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 80.8461, 0.3790, 0.4037 by changing the saturation by 10% instead.


 80.8461, 0.3790,
0.4037

 80.8461, 0.3790,
0.4037


497.7797, 0.3496,
0.3702

 60.4149, 0.3853,
0.4109


 134.5547, 0.3691,
0.3924

 43.7531, 0.3928,
0.4196


 168.6007, 0.3652,
0.3879

 30.4765, 0.4020,
0.4302


207.9539, 0.3617,
0.3840

 20.2005, 0.4131,
0.4432

252.9986, 0.3587,
0.3806

 12.5409, 0.4268,
0.4594

304.1191, 0.3560,
0.3775

 7.1132, 0.4432,
0.4794

361.6998, 0.3536,

 3.5330, 0.4785,

0.3748

0.5215

426.1252, 0.3515,
0.3724

■ 1.4159, 0.4754,
0.5246

■ 0.2284, 0.4273,
0.5727

■ 80.8461, 0.3790,
0.4037

■ 80.8461, 0.3790,
0.4037

■ 76.6358, 0.3979,
0.4222

■ 85.3702, 0.3603,
0.3841

■ 72.7153, 0.4164,
0.4386

■ 90.2087, 0.3425,
0.3642

■ 69.0746, 0.4337,
0.4517

■ 95.3759, 0.3258,
0.3448

■ 65.6978, 0.4488,
0.4606

99.9970, 0.3127,
0.3290

■ 62.5665, 0.4610,
0.4647

■ 59.6554, 0.4702,
0.4641

■ 59.2087, 0.4716,
0.4637

Harmonies

Analogous

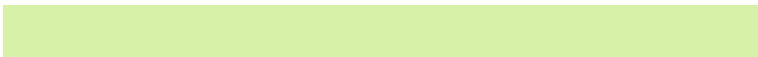
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8461, 0.4014, 0.3773



80.8461, 0.3790, 0.4037



80.8461, 0.3394, 0.4106

Triad

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



80.8461, 0.3790, 0.4037



80.8461, 0.2337, 0.3061



80.8461, 0.3265, 0.2769

Complementary

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



80.8461, 0.3790, 0.4037



47.4419, 0.2460, 0.2407

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.



80.8461, 0.2815, 0.2592



80.8461, 0.3790, 0.4037



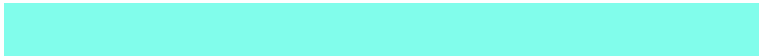
80.8461, 0.2308, 0.2730

Square

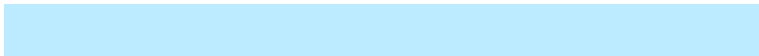
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8461, 0.3790, 0.4037



80.8461, 0.2562, 0.3504



80.8461, 0.2475, 0.2572



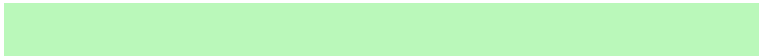
80.8461, 0.3705, 0.3062

Rectangle

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



80.8461, 0.3790, 0.4037



80.8461, 0.3093, 0.4004



80.8461, 0.2475, 0.2572



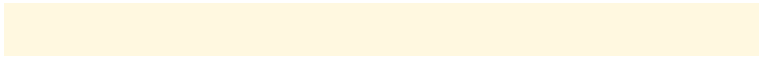
80.8461, 0.3109, 0.2695

Sweetspot

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



80.8498, 0.3790, 0.4037



93.4976, 0.3316, 0.3517



48.7402, 0.3842, 0.3035



19.8671, 0.3338, 0.3542



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.



80.8498, 0.3790, 0.4037



77.6365, 0.3934, 0.4179



90.8508, 0.3537, 0.4306



20.2931, 0.3275, 0.3468



31.1886, 0.4705, 0.4646



3.2075, 0.4634, 0.4702

Inverse Universe

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



47.4419, 0.2460, 0.2407



40.0197, 0.2314, 0.2195



41.2315, 0.2588, 0.2165



18.0997, 0.2979, 0.3105



5.7905, 0.1576, 0.0874



0.7263, 0.1634, 0.1081

Previews

White Background



This preview shows how the Yxy color 80.8461, 0.3790, 0.4037 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 80.8461, 0.3790, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

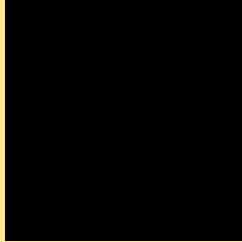
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8461, 0.3790, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 80.8461, 0.3790, 0.4037.



This preview shows how white text looks on a background with the Yxy color 80.8461, 0.3790, 0.4037.

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

80.8461, 0.3790, 0.4037

Protanopia

80.8773, 0.3758, 0.4043

Deuteranopia

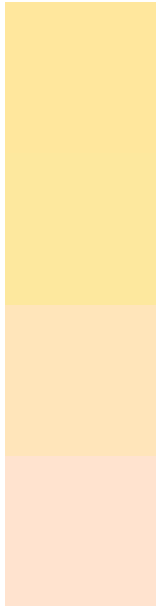
81.0111, 0.3494, 0.3554



Tritanopia

80.6274, 0.3266, 0.3172

Trichromacy



Original Color

80.8461, 0.3790, 0.4037

Protanomaly

81.0645, 0.3765, 0.4041

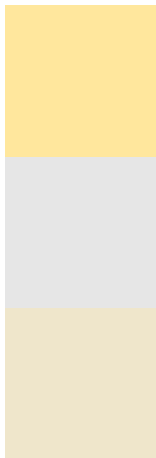
Deuteranomaly

80.8438, 0.3602, 0.3727

Tritanomaly

80.7032, 0.3461, 0.3493

Monochromacy



Original Color

80.8461, 0.3790, 0.4037

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.2561, 0.3367, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8461, 0.3790, 0.4037 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, 231, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 157)  
}
```

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, 231, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 157) }
```

Border

The CSS property to change the border of an element to Yxy 80.8461, 0.3790, 0.4037 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, 231, 157) }
```

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

```
.border{ border-color:rgb(255, 231, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8461, 0.3790, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 157) }
```

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

```
.background{ background-color: rgb(255,  
231, 157) }
```

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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