

Converting Colors

$Yxy(84.3945, 0.3764, 0.4088)$

Have a look what the booklet for
Yxy(84.3945, 0.3764, 0.4088)
contains.

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Color

Yxy(84.2970, 0.3762, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	FFED9E
RGB	255, 237, 158
RGB Percent	100%, 93%, 62%
CMY	0.0001, 0.0705, 0.3804
CMYK	0.00, 0.07, 0.38, 0.00
HSL	49°, 100%, 81%
HSV	49°, 38%, 100%
XYZ	77.6887, 84.2970, 44.5234
YIQ	233.3760, 36.0870, -20.7530

Conversions

Conversions Part 2

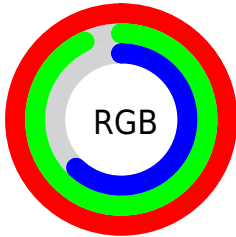
Format	Color
R _Y B	180, 255, 158
Decimal	16772510
CIE Lab	93.58, -4.83, 40.48
CIE LCh	94, 40.770, 96.804
Yxy	84.2970, 0.3762, 0.4082
Android (android.graphics.Color)	4294962590 (0xFFFFE9D9E)
YUV	233.3760, -37.1604, 18.9642
Hunter-Lab	91.8134, -9.6341, 35.5177

Details

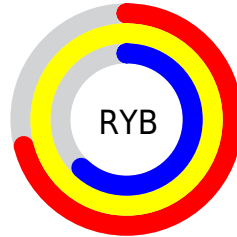
The Yxy color $84.2970, 0.3762, 0.4082$ is a light color, and the websafe version is hex $FFFF99$. A complement of this color would be $45.5227, 0.2456, 0.2346$, and the grayscale version is $82.0489, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.5841, 0.3376, 0.3701$, and $45.9380, 0.3896, 0.4252$ is the 20% darker color. If you saturate the color by 10%, you get $80.8132, 0.3938, 0.4279$, and if you desaturate by 10%, it is $88.0428, 0.3585, 0.3873$.

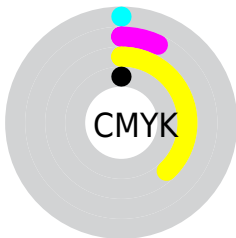
Distribution



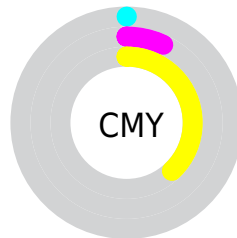
- Red (100%)
- Green (93%)
- Blue (62%)



- Red (71%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (7%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2970, 0.3762, 0.4082 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 84.2970, 0.3762, 0.4082 by changing the saturation by 10% instead.


 84.2970, 0.3762,
0.4082


 84.2970, 0.3762,
0.4082


509.2990, 0.3484,
0.3728

 63.2607, 0.3821,
0.4159


 139.3906, 0.3669,
0.3962

 46.0521, 0.3890,
0.4250


 174.2166, 0.3632,
0.3915

 32.2870, 0.3974,
0.4362


214.4080, 0.3600,
0.3874

 21.5808, 0.4074,
0.4501

260.3491, 0.3571,
0.3837

 13.5492, 0.4195,
0.4673

312.4244, 0.3545,
0.3805

 7.8078, 0.4337,
0.4887

371.0182, 0.3523,

 3.9722, 0.4651,

0.3777

0.5333

436.5149, 0.3502,
0.3751

■ 1.6580, 0.4584,
0.5416

■ 0.3963, 0.3950,
0.6050

■ 84.2970, 0.3762,
0.4082

■ 84.2970, 0.3762,
0.4082

■ 80.8132, 0.3938,
0.4279

■ 88.0428, 0.3585,
0.3873

■ 77.5677, 0.4105,
0.4453

■ 92.0497, 0.3414,
0.3661

■ 74.5514, 0.4257,
0.4594

■ 96.3319, 0.3250,
0.3452

■ 71.7492, 0.4386,
0.4694

99.9952, 0.3127,
0.3290

■ 69.1437, 0.4487,
0.4746

■ 66.7112, 0.4559,
0.4754

■ 66.2466, 0.4571,
0.4752

Harmonies

Analogous

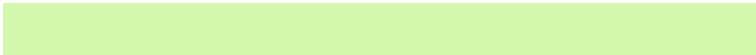
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2970, 0.4023, 0.3829



84.2970, 0.3762, 0.4082



84.2970, 0.3340, 0.4121

Triad

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



84.2970, 0.3762, 0.4082



84.2970, 0.2299, 0.2999



84.2970, 0.3333, 0.2789

Complementary

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



84.2970, 0.3762, 0.4082



45.5227, 0.2456, 0.2346

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.



84.2970, 0.2863, 0.2589



84.2970, 0.3762, 0.4082



84.2970, 0.2297, 0.2681

Square

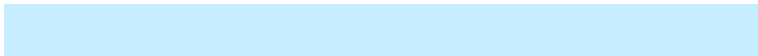
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2970, 0.3762, 0.4082



84.2970, 0.2504, 0.3447



84.2970, 0.2494, 0.2545



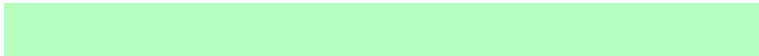
84.2970, 0.3773, 0.3102

Rectangle

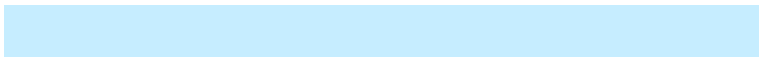
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2970, 0.3762, 0.4082



84.2970, 0.3029, 0.3991



84.2970, 0.2494, 0.2545



84.2970, 0.3172, 0.2707

Sweetspot

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



84.3009, 0.3762, 0.4082



95.0534, 0.3298, 0.3513



48.8993, 0.3880, 0.3088



20.2200, 0.3320, 0.3541



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

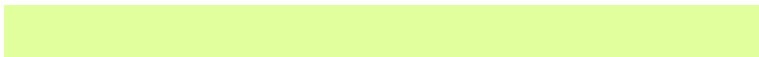
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3009, 0.3762, 0.4082



81.5205, 0.3902, 0.4240



90.1222, 0.3501, 0.4307



20.4849, 0.3274, 0.3482



34.8288, 0.4564, 0.4758



3.5326, 0.4514, 0.4798

Inverse Universe

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



45.5227, 0.2456, 0.2346



37.5401, 0.2298, 0.2107



42.2489, 0.2630, 0.2188



17.9218, 0.2979, 0.3090



4.9995, 0.1547, 0.0770



0.6256, 0.1599, 0.0955

Previews

White Background



This preview shows how the Yxy color 84.2970, 0.3762, 0.4082 looks on a white background.

Color Contrast Check

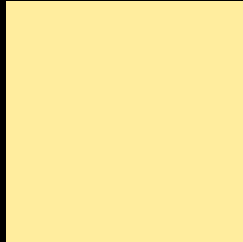
Large Text (above 18pt) WCAG AA × Fail

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 84.2970, 0.3762, 0.4082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

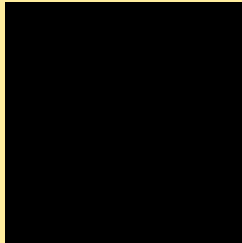
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2970, 0.3762, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 84.2970, 0.3762, 0.4082.

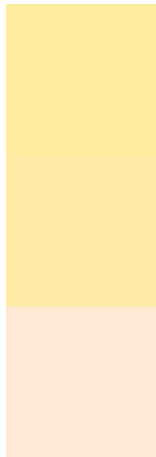


This preview shows how white text looks on a background with the Yxy color 84.2970, 0.3762, 0.4082.

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

84.2970, 0.3762, 0.4082

Protanopia

84.0041, 0.3715, 0.3995

Deuteranopia

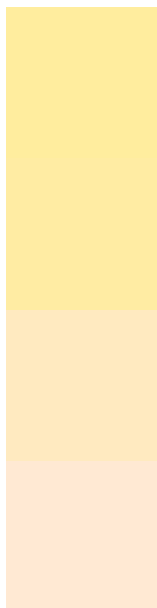
84.2913, 0.3417, 0.3501



Tritanopia

84.2045, 0.3228, 0.3182

Trichromacy



Original Color

84.2970, 0.3762, 0.4082

Protanomaly

83.8952, 0.3734, 0.4024

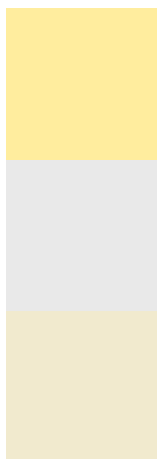
Deuteranomaly

83.9114, 0.3549, 0.3714

Tritanomaly

84.2410, 0.3423, 0.3511

Monochromacy



Original Color

84.2970, 0.3762, 0.4082

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0026, 0.3355, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2970, 0.3762, 0.4082 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, 237, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 158)  
}
```

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, 237, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 158) }
```

Border

The CSS property to change the border of an element to Yxy 84.2970, 0.3762, 0.4082 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, 237, 158) }
```

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

```
.border{ border-color:rgb(255, 237, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2970, 0.3762, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 158) }
```

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

```
.background{ background-color: rgb(255,  
237, 158) }
```

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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