

Converting Colors

$Y_{xy}(100.0000, 0.4155, 0.3993)$

Have a look what the booklet for
Yxy(100.0000, 0.4155, 0.3993)
contains.

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Color

Yxy(87.2329, 0.3745, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	FFF29E
RGB	255, 242, 158
RGB Percent	100%, 95%, 62%
CMY	0.0000, 0.0510, 0.3804
CMYK	0.00, 0.05, 0.38, 0.00
HSL	52°, 100%, 81%
HSV	52°, 38%, 100%
XYZ	79.1777, 87.2329, 45.0118
YIQ	236.3110, 34.7120, -23.3680

Conversions

Conversions Part 2

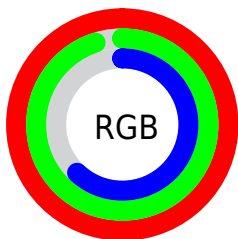
Format	Color
R_{YB}	173, 255, 158
Decimal	16773790
CIE Lab	94.84, -7.28, 42.11
CIE LCh	95, 42.735, 99.813
Yxy	87.2329, 0.3745, 0.4126
Android (android.graphics.Color)	4294963870 (0xFFFFF29E)
YUV	236.3110, -38.6073, 16.3903
Hunter-Lab	93.3986, -12.1259, 36.8052

Details

The Yxy color **87.2329, 0.3745, 0.4126** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.6194, 0.2447, 0.2285**, and the grayscale version is **84.4078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **48.0080, 0.3869, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **84.4213, 0.3909, 0.4332**, and if you desaturate by 10%, it is **90.2532, 0.3576, 0.3907**.

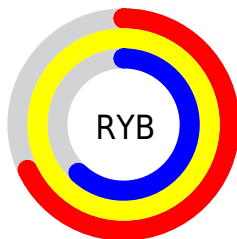
Distribution



Red (100%)

Green (95%)

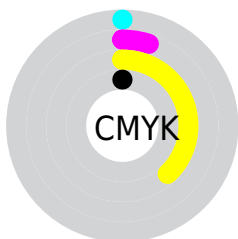
Blue (62%)



Red (68%)

Yellow (100%)

Blue (62%)

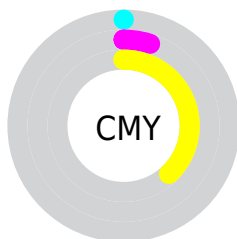


Cyan (0%)

Magenta (5%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2329, 0.3745, 0.4126 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 87.2329, 0.3745, 0.4126 by changing the saturation by 10% instead.


 87.2329, 0.3745,
0.4126

 87.2329, 0.3745,
0.4126


518.9879, 0.3478,
0.3753

 65.6880, 0.3800,
0.4206

 143.4887, 0.3657,
0.4000

 48.0191, 0.3866,
0.4303


 178.9684, 0.3621,
0.3950

 33.8420, 0.3944,
0.4421


219.8618, 0.3590,
0.3907

 22.7723, 0.4036,
0.4566

266.5532, 0.3562,
0.3868

 14.4255, 0.4146,
0.4746

319.4272, 0.3537,
0.3834

 8.4172, 0.4269,
0.4971

378.8680, 0.3515,

 4.3630, 0.4529,

0.3804

0.5409

445.2601, 0.3496,
0.3777

■ 1.8786, 0.4453,
0.5547

■ 0.5355, 0.3821,
0.6179

■ 87.2329, 0.3745,
0.4126

■ 87.2329, 0.3745,
0.4126

■ 84.4213, 0.3909,
0.4332

■ 90.2532, 0.3576,
0.3907

■ 81.8241, 0.4062,
0.4513

■ 93.5102, 0.3410,
0.3683

■ 79.4229, 0.4198,
0.4661

■ 97.0078, 0.3249,
0.3462

■ 77.2029, 0.4309,
0.4767

100.0000, 0.3127,
0.3290

■ 75.1470, 0.4392,
0.4827

■ 73.2321, 0.4447,
0.4843

■ 72.8666, 0.4456,
0.4844

Harmonies

Analogous

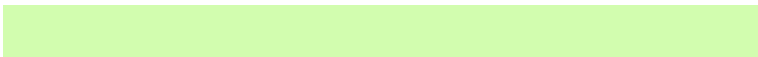
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2329, 0.4038, 0.3879



87.2329, 0.3745, 0.4126



87.2329, 0.3298, 0.4141

Triad

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



87.2329, 0.3745, 0.4126



87.2329, 0.2262, 0.2946



87.2329, 0.3390, 0.2800

Complementary

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



87.2329, 0.3745, 0.4126



43.6194, 0.2447, 0.2285

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.



87.2329, 0.2899, 0.2581



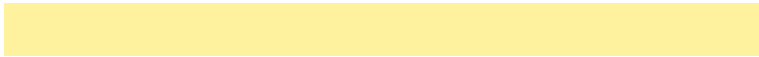
87.2329, 0.3745, 0.4126



87.2329, 0.2281, 0.2636

Square

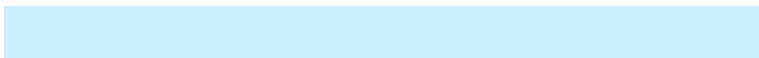
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2329, 0.3745, 0.4126



87.2329, 0.2452, 0.3403



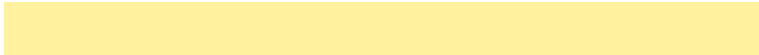
87.2329, 0.2503, 0.2517



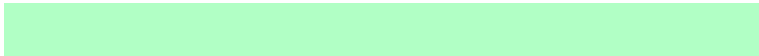
87.2329, 0.3835, 0.3131

Rectangle

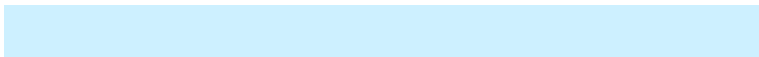
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.2329, 0.3745, 0.4126



87.2329, 0.2977, 0.3987



87.2329, 0.2503, 0.2517



87.2329, 0.3223, 0.2712

Sweetspot

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



87.2271, 0.3745, 0.4126



95.9463, 0.3296, 0.3527



48.7140, 0.3929, 0.3139



20.4340, 0.3318, 0.3557



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

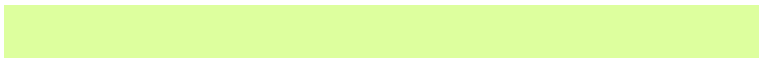
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2271, 0.3745, 0.4126



84.9759, 0.3876, 0.4291



89.3688, 0.3468, 0.4318



20.6506, 0.3272, 0.3494



38.2356, 0.4451, 0.4847



3.8330, 0.4418, 0.4874

Inverse Universe

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



43.6194, 0.2447, 0.2285



35.5221, 0.2285, 0.2032



42.8743, 0.2667, 0.2198



17.7704, 0.2979, 0.3077



4.4960, 0.1528, 0.0702



0.5529, 0.1572, 0.0860

Previews

White Background



This preview shows how the Yxy color 87.2329, 0.3745, 0.4126 looks on a white background.

Color Contrast Check

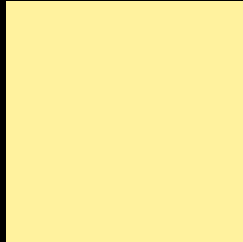
Large Text (above 18pt) WCAG AA × Fail

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 87.2329, 0.3745, 0.4126 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 87.2329, 0.3745, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 87.2329, 0.3745, 0.4126.



This preview shows how white text looks on a background with the Yxy color 87.2329, 0.3745, 0.4126.

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

87.2329, 0.3745, 0.4126

Protanopia

87.1253, 0.3574, 0.3832

Deuteranopia

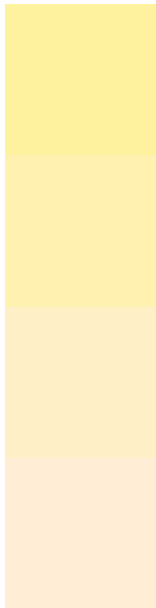
87.0488, 0.3351, 0.3449



Tritanopia

87.2692, 0.3199, 0.3193

Trichromacy



Original Color

87.2329, 0.3745, 0.4126

Protanomaly

87.3052, 0.3635, 0.3941

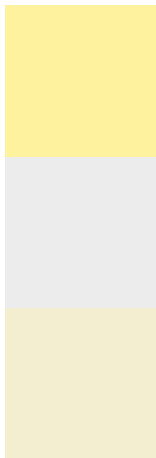
Deuteranomaly

87.0702, 0.3498, 0.3701

Tritanomaly

87.2132, 0.3402, 0.3539

Monochromacy



Original Color

87.2329, 0.3745, 0.4126

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.7578, 0.3350, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2329, 0.3745, 0.4126 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, 242, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 158) }
```

Border

The CSS property to change the border of an element to Yxy 87.2329, 0.3745, 0.4126 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, 242, 158) }
```

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

```
.border{ border-color:rgb(255, 242, 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, 242, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2329, 0.3745, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 158) }
```

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

```
.background{ background-color: rgb(255,  
242, 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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