

Converting Colors

$Y_{xy}(87.7220, 0.3490, 0.3702)$

Have a look what the booklet for
Yxy(87.7220, 0.3490, 0.3702)
contains.

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Color

Yxy(87.7037, 0.3490, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0C7
RGB	255, 240, 199
RGB Percent	100%, 94%, 78%
CMY	0.0000, 0.0589, 0.2196
CMYK	0.00, 0.06, 0.22, 0.00
HSL	44°, 100%, 89%
HSV	44°, 22%, 100%
XYZ	82.7259, 87.7037, 66.6074
YIQ	239.8110, 22.1010, -9.5710

Conversions

Conversions Part 2

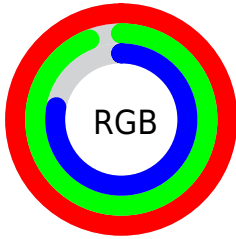
Format	Color
R _Y B	219, 255, 199
Decimal	16773319
CIE Lab	95.04, -1.22, 21.66
CIE LCh	95, 21.696, 93.213
Yxy	87.7037, 0.3490, 0.3700
Android (android.graphics.Color)	4294963399 (0xFFFFF0C7)
YUV	239.8110, -20.1198, 13.3208
Hunter-Lab	93.6503, -6.2100, 23.3860

Details

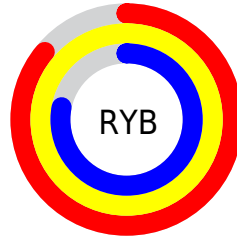
The Yxy color **87.7037, 0.3490, 0.3700** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.4699, 0.2767, 0.2843**, and the grayscale version is **87.1231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3311, 0.3569, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **82.6590, 0.3674, 0.3893**, and if you desaturate by 10%, it is **93.0839, 0.3316, 0.3509**.

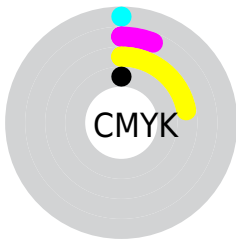
Distribution



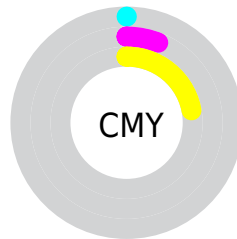
- Red (100%)
- Green (94%)
- Blue (78%)



- Red (86%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (6%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7037, 0.3490, 0.3700 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 87.7037, 0.3490, 0.3700 by changing the saturation by 10% instead.


 87.7037, 0.3490,
0.3700

 87.7037, 0.3490,
0.3700


520.5324, 0.3328,
0.3517

 66.0777, 0.3525,
0.3740


144.1446, 0.3435,
0.3638

 48.3355, 0.3568,
0.3789


179.7282, 0.3414,
0.3613

 34.0926, 0.3621,
0.3850


220.7333, 0.3395,
0.3592

 22.9648, 0.3688,
0.3927


267.5440, 0.3378,
0.3573

 14.5675, 0.3776,
0.4028

320.5449, 0.3364,
0.3556

 8.5164, 0.3893,
0.4165

380.1204, 0.3351,

 4.4271, 0.4057,

0.3542

0.4358

446.6547, 0.3339,
0.3528

■ 1.9152, 0.4445,
0.4807

■ 0.5575, 0.4729,
0.5271

■ 87.7037, 0.3490,
0.3700

■ 87.7037, 0.3490,
0.3700

■ 82.6590, 0.3674,
0.3893

■ 93.0839, 0.3316,
0.3509

■ 77.9603, 0.3867,
0.4082

■ 98.8325, 0.3157,
0.3325

■ 73.5879, 0.4062,
0.4256

100.0000, 0.3127,
0.3290

■ 69.5283, 0.4252,
0.4405

■ 65.7664, 0.4426,
0.4519

■ 62.2853, 0.4578,
0.4588

■ 59.0647, 0.4699,
0.4606

■ 56.6398, 0.4776,
0.4590

Harmonies

Analogous

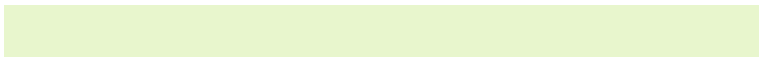
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7037, 0.3606, 0.3571



87.7037, 0.3490, 0.3700



87.7037, 0.3278, 0.3719

Triad

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



87.7037, 0.3490, 0.3700



87.7037, 0.2686, 0.3174



87.7037, 0.3210, 0.2999

Complementary

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



87.7037, 0.3490, 0.3700



67.4699, 0.2767, 0.2843

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.



87.7037, 0.2964, 0.2897



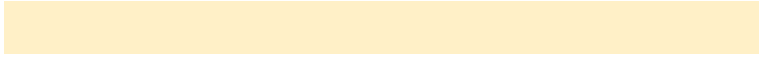
87.7037, 0.3490, 0.3700



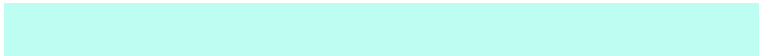
87.7037, 0.2669, 0.2988

Square

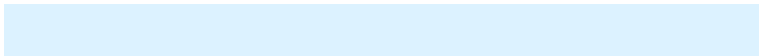
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7037, 0.3490, 0.3700



87.7037, 0.2816, 0.3405



87.7037, 0.2768, 0.2891



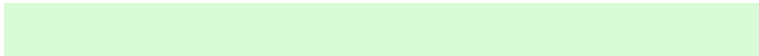
87.7037, 0.3442, 0.3171

Rectangle

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



87.7037, 0.3490, 0.3700



87.7037, 0.3113, 0.3660



87.7037, 0.2768, 0.2891



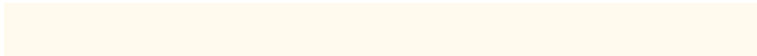
87.7037, 0.3126, 0.2955

Sweetspot

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



87.6964, 0.3490, 0.3700



95.8871, 0.3235, 0.3417



67.0123, 0.3451, 0.3129



20.4497, 0.3245, 0.3428



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

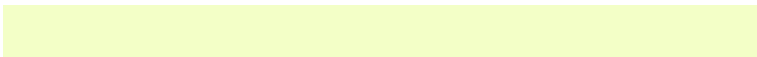
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6964, 0.3490, 0.3700



85.6177, 0.3563, 0.3778



94.6755, 0.3379, 0.3855



20.2182, 0.3276, 0.3463



29.8548, 0.4764, 0.4599



3.0872, 0.4684, 0.4663

Inverse Universe

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



67.4699, 0.2767, 0.2843



62.3739, 0.2694, 0.2748



61.9424, 0.2837, 0.2688



18.1700, 0.2979, 0.3111



6.1652, 0.1590, 0.0922



0.7712, 0.1649, 0.1135

Previews

White Background



This preview shows how the Yxy color 87.7037, 0.3490, 0.3700 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 87.7037, 0.3490, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

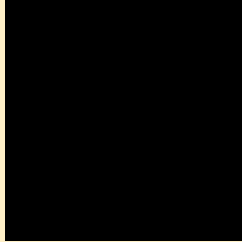
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7037, 0.3490, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 87.7037, 0.3490, 0.3700.



This preview shows how white text looks on a background with the Yxy color 87.7037, 0.3490, 0.3700.

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

87.7037, 0.3490, 0.3700

Protanopia

87.5145, 0.3483, 0.3701

Deuteranopia

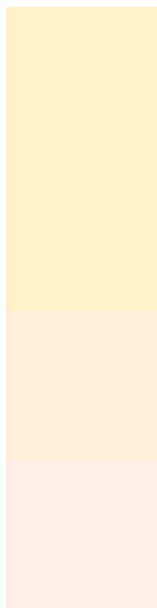
87.3744, 0.3312, 0.3389



Tritanopia

87.4540, 0.3180, 0.3164

Trichromacy



Original Color

87.7037, 0.3490, 0.3700

Protanomaly

87.5145, 0.3483, 0.3701

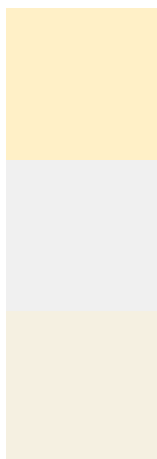
Deuteranomaly

87.4188, 0.3376, 0.3499

Tritanomaly

87.5415, 0.3293, 0.3359

Monochromacy



Original Color

87.7037, 0.3490, 0.3700

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.1689, 0.3253, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7037, 0.3490, 0.3700 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, 240, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 199)  
}
```

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, 240, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 199) }
```

Border

The CSS property to change the border of an element to Yxy 87.7037, 0.3490, 0.3700 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, 240, 199) }
```

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

```
.border{ border-color:rgb(255, 240, 199) }
```

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

Here you see how a box with a 4 pixel rgb(255, 240, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7037, 0.3490, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 199) }
```

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

```
.background{ background-color: rgb(255,  
240, 199) }
```

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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