

Converting Colors

$Yxy(88.9494, 0.3505, 0.3755)$

Have a look what the booklet for
Yxy(88.9494, 0.3505, 0.3755)
contains.

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Color

Yxy(88.7498, 0.3505, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2C4
RGB	255, 242, 196
RGB Percent	100%, 95%, 77%
CMY	0.0000, 0.0509, 0.2315
CMYK	0.00, 0.05, 0.23, 0.00
HSL	47°, 100%, 88%
HSV	47°, 23%, 100%
XYZ	82.9515, 88.7498, 64.9649
YIQ	240.6430, 22.5140, -11.5500

Conversions

Conversions Part 2

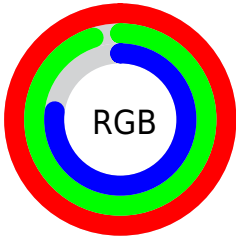
Format	Color
R _Y B	213, 255, 196
Decimal	16773828
CIE Lab	95.48, -2.68, 23.83
CIE LCh	95, 23.978, 96.412
Yxy	88.7498, 0.3505, 0.3750
Android (android.graphics.Color)	4294963908 (0xFFFFF2C4)
YUV	240.6430, -22.0090, 12.5911
Hunter-Lab	94.2071, -7.6892, 25.0588

Details

The Yxy color **88.7498, 0.3505, 0.3750** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.5306, 0.2743, 0.2783**, and the grayscale version is **87.8311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **49.0766, 0.3588, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **84.4014, 0.3684, 0.3954**, and if you desaturate by 10%, it is **93.4059, 0.3334, 0.3547**.

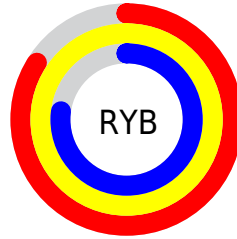
Distribution



Red (100%)

Green (95%)

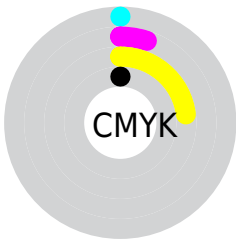
Blue (77%)



Red (84%)

Yellow (100%)

Blue (77%)

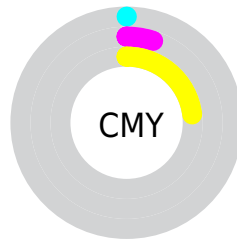


Cyan (0%)

Magenta (5%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7498, 0.3505, 0.3750 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 88.7498, 0.3505, 0.3750 by changing the saturation by 10% instead.


 88.7498, 0.3505,
0.3750

 88.7498, 0.3505,
0.3750


523.9556, 0.3338,
0.3544

 66.9442, 0.3541,
0.3795


145.6006, 0.3448,
0.3680

 49.0393, 0.3585,
0.3850


181.4146, 0.3426,
0.3652

 34.6506, 0.3639,
0.3918


222.6668, 0.3406,
0.3628

 23.3939, 0.3707,
0.4004


269.7417, 0.3389,
0.3607

 14.8846, 0.3795,
0.4117

323.0236, 0.3374,
0.3589

 8.7384, 0.3912,
0.4269

382.8970, 0.3361,

 4.5710, 0.4071,

0.3572

0.4482

449.7461, 0.3349,
0.3558

■ 1.9978, 0.4487,
0.5012

■ 0.6062, 0.4573,
0.5427

■ 88.7498, 0.3505,
0.3750

■ 88.7498, 0.3505,
0.3750

■ 84.4014, 0.3684,
0.3954

■ 93.4059, 0.3334,
0.3547

■ 80.3380, 0.3868,
0.4151

■ 98.3679, 0.3175,
0.3350

■ 76.5516, 0.4050,
0.4332

■ 99.9989, 0.3127,
0.3290

■ 73.0295, 0.4222,
0.4485

■ 69.7572, 0.4375,
0.4601

■ 66.7183, 0.4504,
0.4672

■ 63.8928, 0.4602,
0.4694

■ 62.0605, 0.4654,
0.4686

Harmonies

Analogous

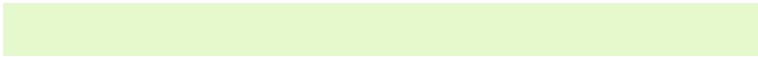
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7498, 0.3648, 0.3617



88.7498, 0.3505, 0.3750



88.7498, 0.3264, 0.3758

Triad

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



88.7498, 0.3505, 0.3750



88.7498, 0.2635, 0.3135



88.7498, 0.3247, 0.2988

Complementary

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



88.7498, 0.3505, 0.3750



64.5306, 0.2743, 0.2783

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.



88.7498, 0.2974, 0.2867



88.7498, 0.3505, 0.3750



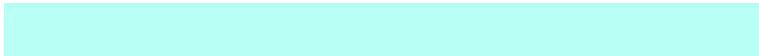
88.7498, 0.2630, 0.2940

Square

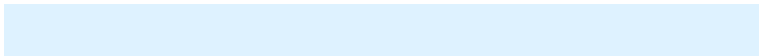
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7498, 0.3505, 0.3750



88.7498, 0.2765, 0.3389



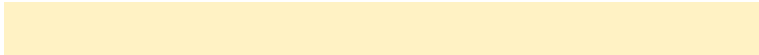
88.7498, 0.2751, 0.2847



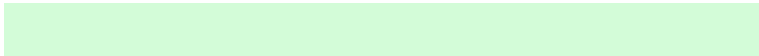
88.7498, 0.3497, 0.3182

Rectangle

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



88.7498, 0.3505, 0.3750



88.7498, 0.3082, 0.3683



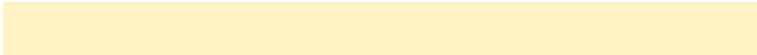
88.7498, 0.2751, 0.2847



88.7498, 0.3155, 0.2938

Sweetspot

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



88.7538, 0.3505, 0.3750



96.4234, 0.3235, 0.3425



65.3664, 0.3497, 0.3150



20.5741, 0.3244, 0.3437



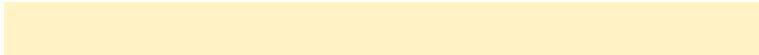
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

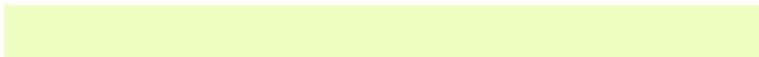
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7538, 0.3505, 0.3750



86.6091, 0.3591, 0.3849



93.8957, 0.3373, 0.3891



20.3728, 0.3275, 0.3474



32.6606, 0.4645, 0.4694



3.3395, 0.4583, 0.4743

Inverse Universe

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



64.5306, 0.2743, 0.2783



58.3490, 0.2654, 0.2660



60.6409, 0.2840, 0.2655



18.0255, 0.2979, 0.3099



5.4335, 0.1563, 0.0828



0.6820, 0.1619, 0.1026

Previews

White Background



This preview shows how the Yxy color 88.7498, 0.3505, 0.3750 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 88.7498, 0.3505, 0.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

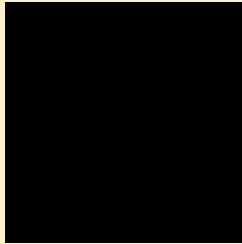
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.7498, 0.3505, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 88.7498, 0.3505, 0.3750.



This preview shows how white text looks on a background with the Yxy color 88.7498, 0.3505, 0.3750.

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

88.7498, 0.3505, 0.3750

Protanopia

89.0285, 0.3466, 0.3689

Deuteranopia

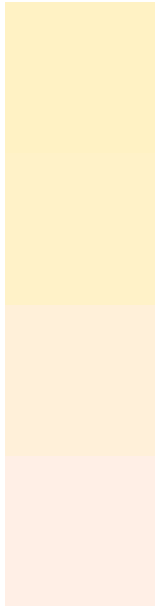
88.6501, 0.3297, 0.3389



Tritanopia

88.6679, 0.3172, 0.3174

Trichromacy



Original Color

88.7498, 0.3505, 0.3750

Protanomaly

88.9344, 0.3479, 0.3709

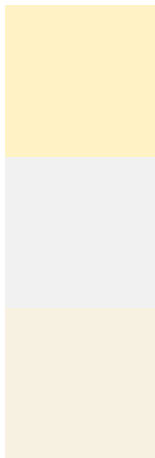
Deuteranomaly

88.5899, 0.3373, 0.3518

Tritanomaly

88.7062, 0.3291, 0.3379

Monochromacy



Original Color

88.7498, 0.3505, 0.3750

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9397, 0.3259, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7498, 0.3505, 0.3750 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 196) }
```

Border

The CSS property to change the border of an element to Yxy 88.7498, 0.3505, 0.3750 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, 196) }
```

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

```
.border{ border-color:rgb(255, 242, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7498, 0.3505, 0.3750 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, 196) }
```

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

```
.background{ background-color: rgb(255,  
242, 196) }
```

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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