

Converting Colors

$Y_{xy}(86.6004, 0.3510, 0.3711)$

Have a look what the booklet for
Yxy(86.6004, 0.3510, 0.3711)
contains.

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Color

Yxy(86.3946, 0.3513, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEC4
RGB	255, 238, 196
RGB Percent	100%, 93%, 77%
CMY	0.0002, 0.0666, 0.2314
CMYK	0.00, 0.07, 0.23, 0.00
HSL	43°, 100%, 88%
HSV	43°, 23%, 100%
XYZ	81.7630, 86.3946, 64.5865
YIQ	238.2950, 23.6140, -9.4580

Conversions

Conversions Part 2

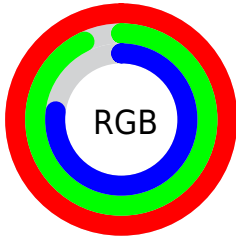
Format	Color
R _Y B	220, 255, 196
Decimal	16772804
CIE Lab	94.48, -0.68, 22.44
CIE LCh	94, 22.450, 91.742
Yxy	86.3946, 0.3513, 0.3712
Android (android.graphics.Color)	4294962884 (0xFFFFEEC4)
YUV	238.2950, -20.8514, 14.6503
Hunter-Lab	92.9487, -5.6414, 23.8657

Details

The Yxy color **86.3946, 0.3513, 0.3712** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.4982, 0.2747, 0.2829**, and the grayscale version is **85.8888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **47.4147, 0.3601, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **81.1586, 0.3702, 0.3901**, and if you desaturate by 10%, it is **92.0089, 0.3337, 0.3525**.

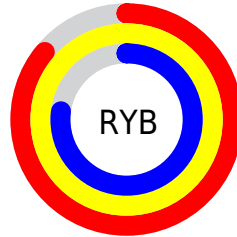
Distribution



Red (100%)

Green (93%)

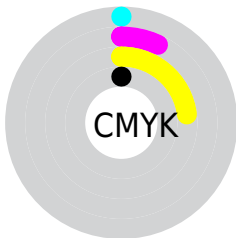
Blue (77%)



Red (86%)

Yellow (100%)

Blue (77%)

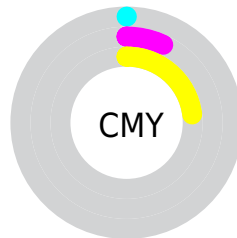


Cyan (0%)

Magenta (7%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3946, 0.3513, 0.3712 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 86.3946, 0.3513, 0.3712 by changing the saturation by 10% instead.


 86.3946, 0.3513,
0.3712

 86.3946, 0.3513,
0.3712

516.2315, 0.3341,
0.3523

 64.9943, 0.3551,
0.3754


142.3200, 0.3454,
0.3648

 47.4565, 0.3597,
0.3804


177.6139, 0.3431,
0.3622

 33.3967, 0.3653,
0.3867


218.3079, 0.3411,
0.3600

 22.4305, 0.3725,
0.3946

264.7862, 0.3394,
0.3581

 14.1736, 0.3819,
0.4050

317.4333, 0.3378,
0.3564

 8.2415, 0.3945,
0.4190

376.6337, 0.3364,

 4.2499, 0.4121,

0.3549

0.4387

442.7716, 0.3352,
0.3535

■ 1.8143, 0.4602,
0.4919

■ 0.4961, 0.4783,
0.5217

■ 86.3946, 0.3513,
0.3712

■ 86.3946, 0.3513,
0.3712

■ 81.1586, 0.3702,
0.3901

■ 92.0089, 0.3337,
0.3525

■ 76.2773, 0.3899,
0.4084

■ 98.0010, 0.3175,
0.3344

■ 71.7415, 0.4099,
0.4252

99.9899, 0.3127,
0.3290

■ 67.5373, 0.4294,
0.4395

■ 63.6491, 0.4474,
0.4501

■ 60.0592, 0.4630,
0.4560

■ 56.7464, 0.4755,
0.4569

■ 54.6092, 0.4825,
0.4551

Harmonies

Analogous

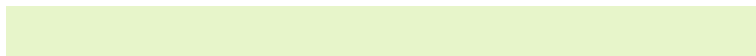
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3946, 0.3628, 0.3572



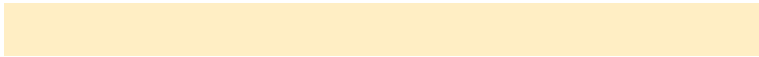
86.3946, 0.3513, 0.3712



86.3946, 0.3296, 0.3739

Triad

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



86.3946, 0.3513, 0.3712



86.3946, 0.2673, 0.3180



86.3946, 0.3200, 0.2980

Complementary

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



86.3946, 0.3513, 0.3712



66.4982, 0.2747, 0.2829

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.



86.3946, 0.2945, 0.2879



86.3946, 0.3513, 0.3712



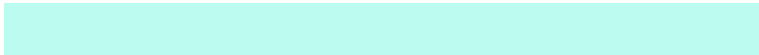
86.3946, 0.2649, 0.2983

Square

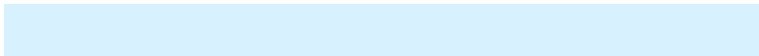
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.3946, 0.3513, 0.3712



86.3946, 0.2813, 0.3421



86.3946, 0.2747, 0.2877



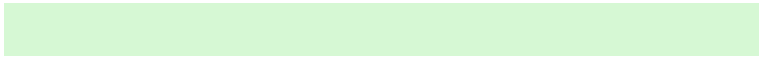
86.3946, 0.3444, 0.3156

Rectangle

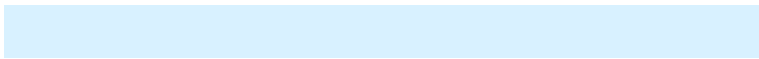
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.3946, 0.3513, 0.3712



86.3946, 0.3125, 0.3682



86.3946, 0.2747, 0.2877



86.3946, 0.3113, 0.2937

Sweetspot

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



86.3985, 0.3513, 0.3712



95.6775, 0.3236, 0.3413



65.5660, 0.3465, 0.3110



20.4011, 0.3245, 0.3424



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

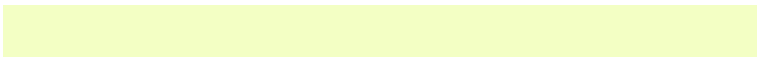
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3985, 0.3513, 0.3712



83.8373, 0.3604, 0.3804



94.5538, 0.3399, 0.3885



20.1578, 0.3276, 0.3459



28.8163, 0.4812, 0.4561



2.9930, 0.4725, 0.4631

Inverse Universe

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



66.4982, 0.2747, 0.2829



60.5921, 0.2660, 0.2716



60.0726, 0.2812, 0.2651



18.2269, 0.2979, 0.3115



6.4954, 0.1601, 0.0964



0.8097, 0.1661, 0.1181

Previews

White Background



This preview shows how the Yxy color 86.3946, 0.3513, 0.3712 looks on a white background.

Color Contrast Check

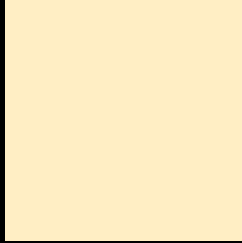
Large Text (above 18pt) WCAG AA × Fail

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 86.3946, 0.3513, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

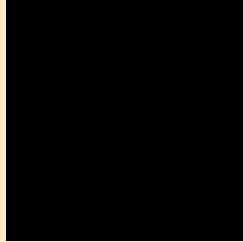
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3946, 0.3513, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 86.3946, 0.3513, 0.3712.



This preview shows how white text looks on a background with the Yxy color 86.3946, 0.3513, 0.3712.

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

86.3946, 0.3513, 0.3712

Protanopia

86.6012, 0.3497, 0.3723

Deuteranopia

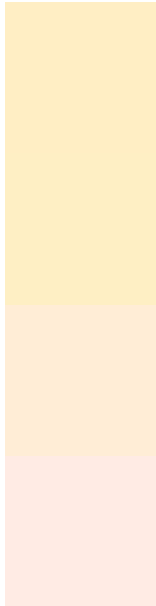
86.6327, 0.3333, 0.3409



Tritanopia

86.1916, 0.3194, 0.3164

Trichromacy



Original Color

86.3946, 0.3513, 0.3712

Protanomaly

86.7894, 0.3504, 0.3722

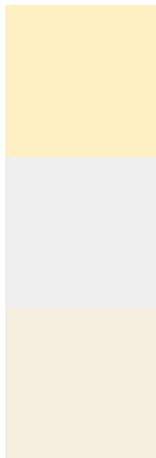
Deuteranomaly

86.6834, 0.3397, 0.3520

Tritanomaly

86.2781, 0.3308, 0.3360

Monochromacy



Original Color

86.3946, 0.3513, 0.3712

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.7099, 0.3261, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3946, 0.3513, 0.3712 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, 238, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 196) }
```

Border

The CSS property to change the border of an element to Yxy 86.3946, 0.3513, 0.3712 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, 238, 196) }
```

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

```
.border{ border-color:rgb(255, 238, 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, 238, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3946, 0.3513, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 196) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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