

Converting Colors

$Y_{xy}(86.5771, 0.3510, 0.4017)$

Have a look what the booklet for
Yxy(86.5771, 0.3510, 0.4017)
contains.

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Color

Yxy(86.5771, 0.3510, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	EEF5AF
RGB	238, 245, 175
RGB Percent	93%, 96%, 69%
CMY	0.0667, 0.0392, 0.3136
CMYK	0.03, 0.00, 0.29, 0.04
HSL	66°, 78%, 82%
HSV	66°, 29%, 96%
XYZ	75.6499, 86.5771, 53.2998
YIQ	234.9270, 18.2980, -23.2540

Conversions

Conversions Part 2

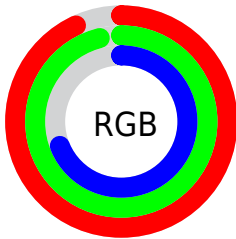
Format	Color
RYB	175, 245, 182
Decimal	15660463
CIELab	94.56, -13.18, 33.00
CIElCh	95, 35.529, 111.769
Yxy	86.5771, 0.3510, 0.4017
Android (android.graphics.Color)	4293850543 (0xFFEEF5AF)
YUV	234.9270, -29.5440, 2.6950
Hunter-Lab	93.0468, -17.7060, 31.1698

Details

The Yxy color **86.5771, 0.3510, 0.4017** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.2199, 0.2675, 0.2470**, and the grayscale version is **83.2412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **47.6241, 0.3581, 0.4183** is the 20% darker color. If you saturate the color by 10%, you get **85.2811, 0.3639, 0.4272**, and if you desaturate by 10%, it is **88.0613, 0.3376, 0.3757**.

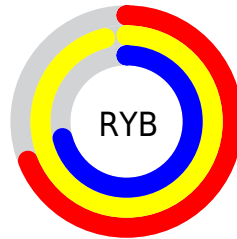
Distribution



Red (93%)

Green (96%)

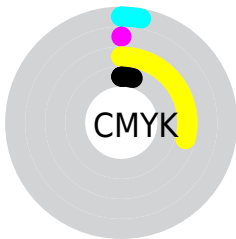
Blue (69%)



Red (69%)

Yellow (96%)

Blue (71%)

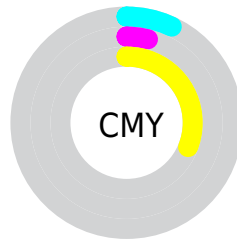


Cyan (3%)

Magenta (0%)

Yellow (29%)

Black (4%)



Cyan (7%)


Magenta (4%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5771, 0.3510, 0.4017 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 86.5771, 0.3510, 0.4017 by changing the saturation by 10% instead.

 86.5771, 0.3510,
0.4017

 86.5771, 0.3510,
0.4017


516.8322, 0.3345,
0.3685

 65.1453, 0.3544,
0.4091


 142.5745, 0.3455,
0.3903

 47.5789, 0.3585,
0.4181

177.9090, 0.3433,
0.3858

 33.4935, 0.3634,
0.4294


218.6464, 0.3414,
0.3820

 22.5048, 0.3693,
0.4437

265.1712, 0.3397,
0.3786

 14.2283, 0.3763,
0.4625

317.8678, 0.3382,
0.3756

 8.2796, 0.3846,
0.4879

377.1206, 0.3368,

 4.2744, 0.3946,

0.3730

443.3139, 0.3356,
0.3706

0.5251

1.8282, 0.4093,
0.5907

0.5047, 0.2384,
0.7616

86.5771, 0.3510,
0.4017

86.5771, 0.3510,
0.4017

85.2811, 0.3639,
0.4272

88.0613, 0.3376,
0.3757

84.1523, 0.3756,
0.4512


89.7308, 0.3241,
0.3501

83.1842, 0.3856,
0.4727


91.5978, 0.3108,
0.3255

82.3651, 0.3934,
0.4907


92.4528, 0.3086,
0.3193

 81.6821, 0.3987,
0.5045


 92.9046, 0.3102,
0.3194

 81.1194, 0.4013,
0.5137

 93.3623, 0.3117,
0.3194

 80.6550, 0.4016,
0.5188

 93.7893, 0.3132,
0.3194

 80.5918, 0.4015,
0.5194

Harmonies

Analogous

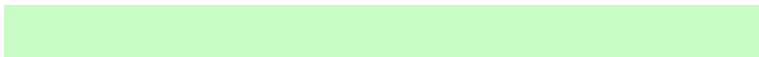
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5771, 0.3815, 0.3888



86.5771, 0.3510, 0.4017



86.5771, 0.3114, 0.3926

Triad

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



86.5771, 0.3510, 0.4017



86.5771, 0.2380, 0.2886



86.5771, 0.3507, 0.2981

Complementary

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



86.5771, 0.3510, 0.4017



47.2199, 0.2675, 0.2470

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.



86.5771, 0.3099, 0.2749



86.5771, 0.3510, 0.4017



86.5771, 0.2468, 0.2681

Square

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



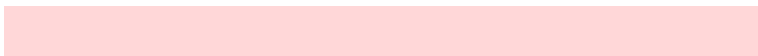
86.5771, 0.3510, 0.4017



86.5771, 0.2475, 0.3229



86.5771, 0.2722, 0.2639



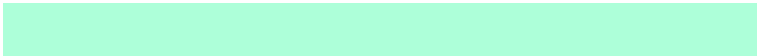
86.5771, 0.3822, 0.3289

Rectangle

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



86.5771, 0.3510, 0.4017



86.5771, 0.2854, 0.3743



86.5771, 0.2722, 0.2639



86.5771, 0.3375, 0.2892

Sweetspot

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



86.5810, 0.3510, 0.4017



98.1750, 0.3247, 0.3513



55.9807, 0.3738, 0.3368



20.9539, 0.3266, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

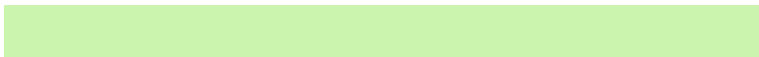
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5810, 0.3510, 0.4017



94.0059, 0.3582, 0.4159



81.1060, 0.3269, 0.4077



19.2242, 0.3253, 0.3525



43.4484, 0.4018, 0.5192



3.8426, 0.4041, 0.5173

Inverse Universe

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



47.2199, 0.2675, 0.2470



44.6830, 0.2570, 0.2285



52.0226, 0.2938, 0.2529



16.0062, 0.2995, 0.3046



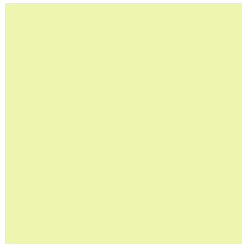
3.6868, 0.1534, 0.0619



0.3501, 0.1606, 0.0658

Previews

White Background



This preview shows how the Yxy color 86.5771, 0.3510, 0.4017 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 86.5771, 0.3510, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

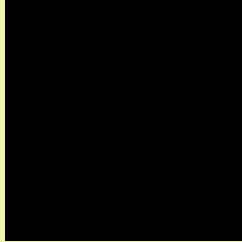
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5771, 0.3510, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 86.5771, 0.3510, 0.4017.

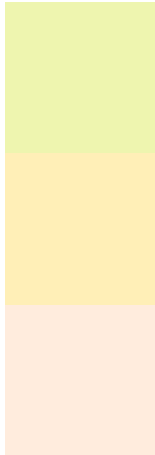


This preview shows how white text looks on a background with the Yxy color 86.5771, 0.3510, 0.4017.

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

86.5771, 0.3510, 0.4017

Protanopia

86.4119, 0.3596, 0.3853

Deuteranopia

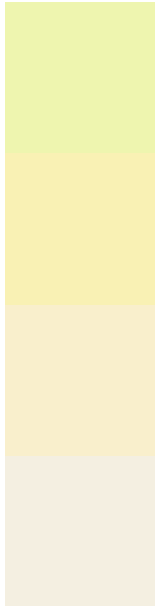
86.4714, 0.3353, 0.3439



Tritanopia

86.4650, 0.3102, 0.3114

Trichromacy



Original Color

86.5771, 0.3510, 0.4017

Protanomaly

86.3456, 0.3567, 0.3911

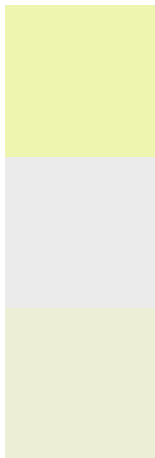
Deuteranomaly

86.2324, 0.3417, 0.3645

Tritanomaly

86.4023, 0.3248, 0.3432

Monochromacy



Original Color

86.5771, 0.3510, 0.4017

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.3700, 0.3269, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5771, 0.3510, 0.4017 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(238, 245, 175)` looks like.

```
.text, #text, p{  
    color:rgb(238, 245, 175)  
}
```

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(238, 245, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 245, 175) }
```

Border

The CSS property to change the border of an element to Yxy 86.5771, 0.3510, 0.4017 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(238, 245, 175) }
```

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

```
.border{ border-color:rgb(238, 245, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 245, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 245, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 245, 175);  
box-shadow:4px 4px 4px 4px rgb(238, 245,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5771, 0.3510, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 245, 175) }
```

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

```
.background{ background-color: rgb(238,  
245, 175) }
```

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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