

Converting Colors

$Yxy(86.7704, 0.3549, 0.4055)$

Have a look what the booklet for
Yxy(86.7704, 0.3549, 0.4055)
contains.

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Color

Yxy(86.7704, 0.3549, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	F0F5AB
RGB	240, 245, 171
RGB Percent	94%, 96%, 67%
CMY	0.0587, 0.0392, 0.3294
CMYK	0.02, 0.00, 0.30, 0.04
HSL	64°, 79%, 82%
HSV	64°, 30%, 96%
XYZ	75.9428, 86.7704, 51.2705
YIQ	235.0690, 20.7740, -24.0740

Conversions

Conversions Part 2

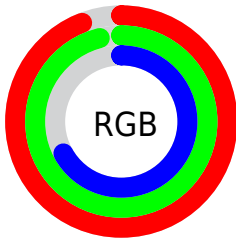
Format	Color
RYB	171, 245, 176
Decimal	15791531
CIELab	94.64, -12.93, 35.16
CIELCh	95, 37.467, 110.195
Yxy	86.7704, 0.3549, 0.4055
Android (android.graphics.Color)	4293981611 (0xFFFF0F5AB)
YUV	235.0690, -31.5860, 4.3245
Hunter-Lab	93.1506, -17.4881, 32.5720

Details

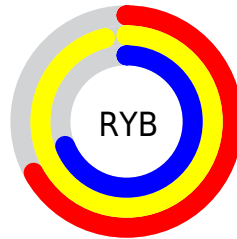
The Yxy color **86.7704, 0.3549, 0.4055** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.9442, 0.2626, 0.2412**, and the grayscale version is **83.3704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **47.7705, 0.3629, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **85.6376, 0.3682, 0.4304**, and if you desaturate by 10%, it is **88.0867, 0.3409, 0.3798**.

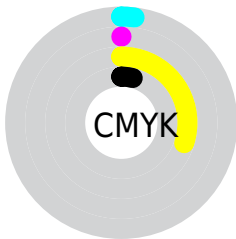
Distribution



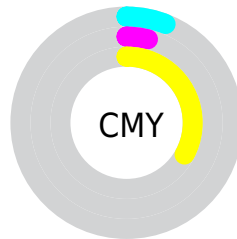
- Red (94%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)




- Cyan (6%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7704, 0.3549, 0.4055 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 86.7704, 0.3549, 0.4055 by changing the saturation by 10% instead.


 86.7704, 0.3549,
0.4055

 86.7704, 0.3549,
0.4055


517.4681, 0.3367,
0.3707

 65.3052, 0.3587,
0.4132


 142.8441, 0.3489,
0.3936

 47.7086, 0.3631,
0.4227


178.2214, 0.3465,
0.3889

 33.5962, 0.3684,
0.4344


219.0048, 0.3443,
0.3848

 22.5836, 0.3748,
0.4492

265.5788, 0.3425,
0.3813

 14.2863, 0.3824,
0.4685

318.3277, 0.3408,
0.3782

 8.3201, 0.3911,
0.4942


377.6360, 0.3393,


 4.3004, 0.4029,

0.3754


0.5336


443.8880, 0.3380,
0.3729


 1.8430, 0.4110,
0.5890

 0.5138, 0.2514,
0.7486


 86.7704, 0.3549,
0.4055


 86.7704, 0.3549,
0.4055


 85.6376, 0.3682,
0.4304


 88.0867, 0.3409,
0.3798


 84.6672, 0.3803,
0.4536

 89.5838, 0.3268,
0.3543


 83.8524, 0.3906,
0.4739


 91.2737, 0.3130,
0.3295


 83.1815, 0.3986,
0.4905


 92.2298, 0.3078,
0.3193

 82.6412, 0.4040,
0.5029

 92.5303, 0.3089,
0.3193


 82.2153, 0.4068,
0.5107

 92.8334, 0.3099,
0.3193

 81.8832, 0.4074,
0.5147

 93.1392, 0.3110,
0.3194

 93.4477, 0.3120,
0.3194

 93.7589, 0.3131,
0.3194

Harmonies

Analogous

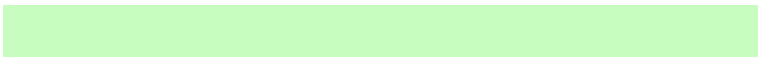
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7704, 0.3863, 0.3906



86.7704, 0.3549, 0.4055



86.7704, 0.3134, 0.3974

Triad

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



86.7704, 0.3549, 0.4055



86.7704, 0.2344, 0.2879



86.7704, 0.3506, 0.2949

Complementary

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



86.7704, 0.3549, 0.4055



44.9442, 0.2626, 0.2412

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.



86.7704, 0.3074, 0.2713



86.7704, 0.3549, 0.4055



86.7704, 0.2425, 0.2657

Square

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



86.7704, 0.3549, 0.4055



86.7704, 0.2452, 0.3246



86.7704, 0.2683, 0.2605



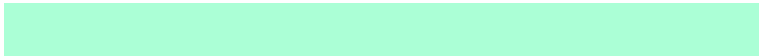
86.7704, 0.3847, 0.3269

Rectangle

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



86.7704, 0.3549, 0.4055



86.7704, 0.2859, 0.3787



86.7704, 0.2683, 0.2605



86.7704, 0.3365, 0.2859

Sweetspot

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



86.7743, 0.3549, 0.4055



98.3173, 0.3252, 0.3513



53.3758, 0.3793, 0.3346



20.9892, 0.3272, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

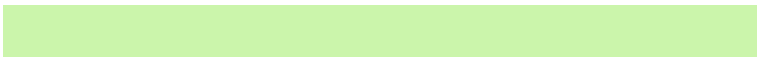
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7743, 0.3549, 0.4055



94.2785, 0.3628, 0.4203



80.9511, 0.3293, 0.4123



19.2535, 0.3258, 0.3525



44.1363, 0.4076, 0.5146



3.8959, 0.4092, 0.5133

Inverse Universe

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



44.9442, 0.2626, 0.2412



41.9624, 0.2509, 0.2211



49.8528, 0.2905, 0.2477



15.9800, 0.2990, 0.3046



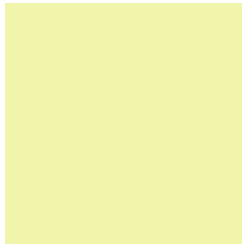
3.6336, 0.1521, 0.0611



0.3376, 0.1572, 0.0640

Previews

White Background



This preview shows how the Yxy color 86.7704, 0.3549, 0.4055 looks on a white background.

Color Contrast Check

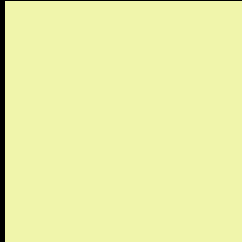
Large Text (above 18pt) WCAG AA × Fail

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 86.7704, 0.3549, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

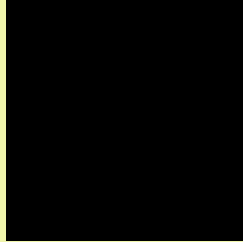
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7704, 0.3549, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 86.7704, 0.3549, 0.4055.

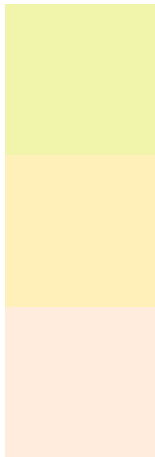


This preview shows how white text looks on a background with the Yxy color 86.7704, 0.3549, 0.4055.

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

86.7704, 0.3549, 0.4055

Protanopia

86.4537, 0.3589, 0.3843

Deuteranopia

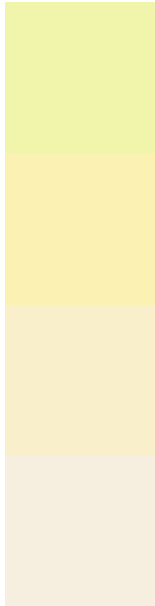
86.4714, 0.3353, 0.3439



Tritanopia

86.8325, 0.3116, 0.3114

Trichromacy



Original Color

86.7704, 0.3549, 0.4055

Protanomaly

86.4893, 0.3581, 0.3919

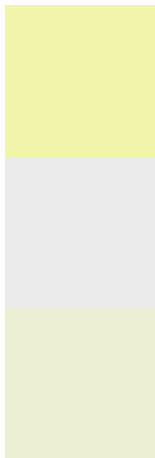
Deuteranomaly

86.3688, 0.3430, 0.3654

Tritanomaly

86.6535, 0.3274, 0.3452

Monochromacy



Original Color

86.7704, 0.3549, 0.4055

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.4910, 0.3282, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7704, 0.3549, 0.4055 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(240, 245, 171)` looks like.

```
.text, #text, p{  
    color:rgb(240, 245, 171)  
}
```

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(240, 245, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 245, 171) }
```

Border

The CSS property to change the border of an element to Yxy 86.7704, 0.3549, 0.4055 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(240, 245, 171) }
```

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

```
.border{ border-color:rgb(240, 245, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 245, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 245, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 245, 171);  
box-shadow:4px 4px 4px 4px rgb(240, 245,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7704, 0.3549, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 245, 171) }
```

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

```
.background{ background-color: rgb(240,  
245, 171) }
```

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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