

Converting Colors

$Yxy(86.5503, 0.3435, 0.3967)$

Have a look what the booklet for
Yxy(86.5503, 0.3435, 0.3967)
contains.

Yxy(86.5714, 0.3437, 0.3972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.5714, 0.3437, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	E9F6B5
RGB	233, 246, 181
RGB Percent	91%, 96%, 71%
CMY	0.0861, 0.0353, 0.2902
CMYK	0.05, 0.00, 0.26, 0.04
HSL	72°, 78%, 84%
HSV	72°, 26%, 96%
XYZ	74.9109, 86.5714, 56.4719
YIQ	234.7030, 13.1170, -22.9710

Conversions

Conversions Part 2

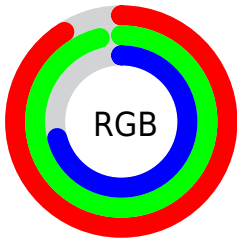
Format	Color
R_{YB}	181, 246, 194
Decimal	15333045
CIE _{Lab}	94.56, -14.68, 29.92
CIE _{LCh}	95, 33.331, 116.131
Yxy	86.5714, 0.3437, 0.3972
Android (android.graphics.Color)	4293523125 (0xFFE9F6B5)
YUV	234.7030, -26.4756, -1.4935
Hunter-Lab	93.0438, -19.1137, 29.1452

Details

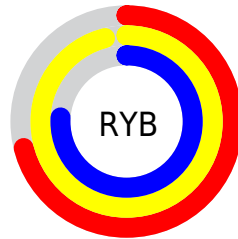
The Yxy color **86.5714, 0.3437, 0.3972** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.1589, 0.2760, 0.2549**, and the grayscale version is **83.0446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **47.7325, 0.3496, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **84.8395, 0.3549, 0.4239**, and if you desaturate by 10%, it is **88.5121, 0.3320, 0.3706**.

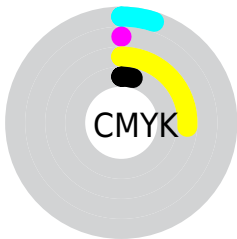
Distribution



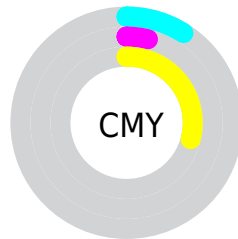
- Red (91%)
- Green (96%)
- Blue (71%)



- Red (71%)
- Yellow (96%)
- Blue (76%)



- Cyan (5%)
- Magenta (0%)
- Yellow (26%)
- Black (4%)





- Cyan (9%)
- Magenta (4%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5714, 0.3437, 0.3972 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 86.5714, 0.3437, 0.3972 by changing the saturation by 10% instead.


 86.5714, 0.3437,
0.3972

 86.5714, 0.3437,
0.3972

516.8135, 0.3304,
0.3659

 65.1406, 0.3465,
0.4042


 142.5666, 0.3393,
0.3864

 47.5751, 0.3498,
0.4128


177.8998, 0.3375,
0.3822

 33.4905, 0.3537,
0.4236


218.6358, 0.3360,
0.3786

 22.5025, 0.3584,
0.4374

265.1592, 0.3346,
0.3754

 14.2266, 0.3641,
0.4557

317.8542, 0.3334,
0.3726

 8.2784, 0.3708,
0.4809

377.1054, 0.3323,

 4.2736, 0.3778,

0.3701

443.2970, 0.3313,
0.3679

0.5172

1.8278, 0.4000,
0.6000

0.5044, 0.1935,
0.8065

86.5714, 0.3437,
0.3972

86.5714, 0.3437,
0.3972

84.8395, 0.3549,
0.4239

88.5121, 0.3320,
0.3706

83.2954, 0.3651,
0.4498

90.6591, 0.3202,
0.3448

81.9326, 0.3737,
0.4738

93.0244, 0.3086,
0.3205

80.7394, 0.3803,
0.4947

93.9441, 0.3116,
0.3204

■ 79.7028, 0.3843,
0.5115

■ 94.3879, 0.3131,
0.3204

■ 78.8076, 0.3857,
0.5238

■ 78.0349, 0.3846,
0.5314

■ 77.7778, 0.3839,
0.5334

Harmonies

Analogous

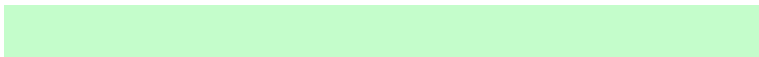
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5714, 0.3741, 0.3881



86.5714, 0.3437, 0.3972



86.5714, 0.3061, 0.3854

Triad

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



86.5714, 0.3437, 0.3972



86.5714, 0.2425, 0.2874



86.5714, 0.3535, 0.3038

Complementary

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



86.5714, 0.3437, 0.3972



51.1589, 0.2760, 0.2549

Split Complementary

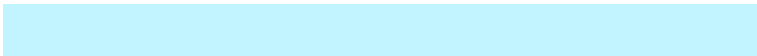
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5714, 0.3158, 0.2805



86.5714, 0.3437, 0.3972



86.5714, 0.2532, 0.2702

Square

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



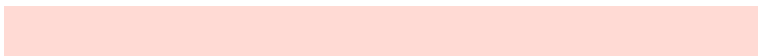
86.5714, 0.3437, 0.3972



86.5714, 0.2490, 0.3182



86.5714, 0.2793, 0.2683



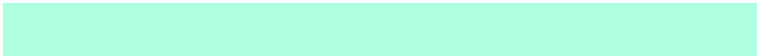
86.5714, 0.3807, 0.3337

Rectangle

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



86.5714, 0.3437, 0.3972



86.5714, 0.2822, 0.3667



86.5714, 0.2793, 0.2683



86.5714, 0.3415, 0.2951

Sweetspot

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



86.5752, 0.3437, 0.3972



97.9925, 0.3220, 0.3489



61.0271, 0.3664, 0.3420



20.8973, 0.3238, 0.3527



0.0000, 0.0000, 0.0000



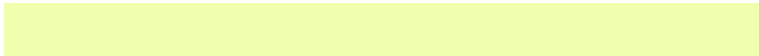
21.4041, 0.3127, 0.3290

Same Dimension

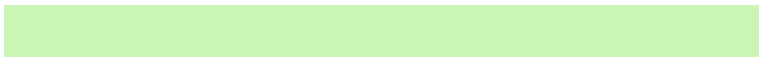
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5752, 0.3437, 0.3972



92.8593, 0.3501, 0.4123



81.7412, 0.3223, 0.4020



19.1371, 0.3238, 0.3526



41.5774, 0.3845, 0.5329



3.6956, 0.3891, 0.5293

Inverse Universe

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



51.1589, 0.2760, 0.2549



48.1633, 0.2665, 0.2368



55.7712, 0.2997, 0.2598



16.0856, 0.3010, 0.3047



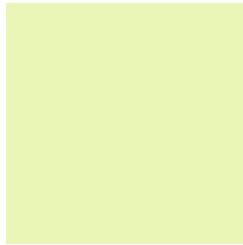
3.9463, 0.1597, 0.0654



0.3880, 0.1708, 0.0714

Previews

White Background



This preview shows how the Yxy color 86.5714, 0.3437, 0.3972 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 86.5714, 0.3437, 0.3972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

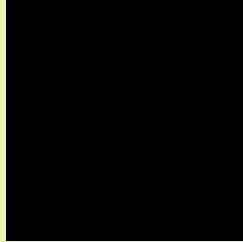
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

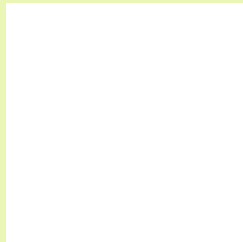
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5714, 0.3437, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 86.5714, 0.3437, 0.3972.

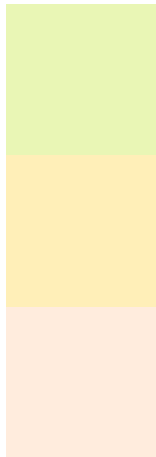


This preview shows how white text looks on a background with the Yxy color 86.5714, 0.3437, 0.3972.

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

86.5714, 0.3437, 0.3972

Protanopia

86.4537, 0.3589, 0.3843

Deuteranopia

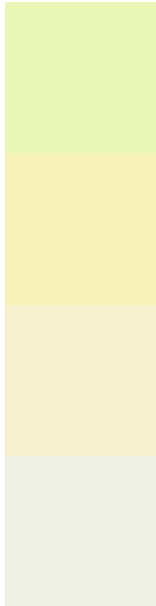
86.4714, 0.3353, 0.3439



Tritanopia

86.2656, 0.3057, 0.3103

Trichromacy



Original Color

86.5714, 0.3437, 0.3972

Protanomaly

86.6973, 0.3531, 0.3892

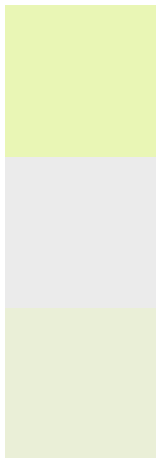
Deuteranomaly

86.5506, 0.3388, 0.3636

Tritanomaly

86.2723, 0.3194, 0.3412

Monochromacy



Original Color

86.5714, 0.3437, 0.3972

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1317, 0.3243, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5714, 0.3437, 0.3972 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(233, 246, 181)` looks like.

```
.text, #text, p{  
    color:rgb(233, 246, 181)  
}
```

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(233, 246, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 246, 181) }
```

Border

The CSS property to change the border of an element to Yxy 86.5714, 0.3437, 0.3972 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(233, 246, 181) }
```

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

```
.border{ border-color:rgb(233, 246, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 246, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 246, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 246, 181);  
box-shadow:4px 4px 4px 4px rgb(233, 246,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5714, 0.3437, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 246, 181) }
```

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

```
.background{ background-color: rgb(233,  
246, 181) }
```

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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