

Converting Colors

$Yxy(89.0120, 0.3196, 0.3655)$

Have a look what the booklet for
Yxy(89.0120, 0.3196, 0.3655)
contains.

Yxy(88.9373, 0.3193, 0.3655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.9373, 0.3193, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	E3F9D6
RGB	227, 249, 214
RGB Percent	89%, 98%, 84%
CMY	0.1098, 0.0235, 0.1607
CMYK	0.09, 0.00, 0.14, 0.02
HSL	98°, 74%, 91%
HSV	98°, 14%, 98%
XYZ	77.6954, 88.9373, 76.6978
YIQ	238.4320, -1.8770, -15.5490

Conversions

Conversions Part 2

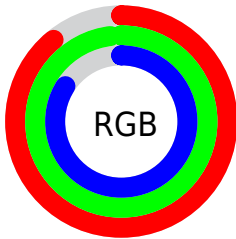
Format	Color
R_{YB}	214, 249, 236
Decimal	14940630
CIE _{Lab}	95.55, -13.33, 14.38
CIE _{LCh}	96, 19.609, 132.824
Yxy	88.9373, 0.3193, 0.3655
Android (android.graphics.Color)	4293130710 (0xFFE3F9D6)
YUV	238.4320, -12.0450, -10.0259
Hunter-Lab	94.3066, -17.9775, 17.7952

Details

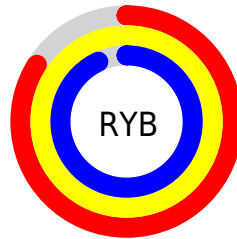
The Yxy color **88.9373, 0.3193, 0.3655** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.7733, 0.3052, 0.2932**, and the grayscale version is **85.9528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3011, 0.3203, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **85.3340, 0.3237, 0.3944**, and if you desaturate by 10%, it is **92.9741, 0.3146, 0.3390**.

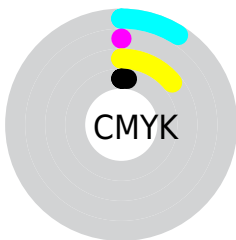
Distribution



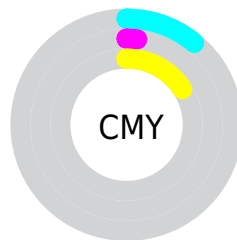
- Red (89%)
- Green (98%)
- Blue (84%)



- Red (84%)
- Yellow (98%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)




- Cyan (11%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9373, 0.3193, 0.3655 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 88.9373, 0.3193, 0.3655 by changing the saturation by 10% instead.


 88.9373, 0.3193,
0.3655

 88.9373, 0.3193,
0.3655

524.5678, 0.3165,
0.3489

 67.0996, 0.3199,
0.3692


145.8614, 0.3184,
0.3598

 49.1656, 0.3205,
0.3738


181.7165, 0.3180,
0.3575

 34.7508, 0.3213,
0.3796


223.0129, 0.3177,
0.3556

 23.4710, 0.3223,
0.3871

270.1350, 0.3174,
0.3539

 14.9417, 0.3234,
0.3972

323.4671, 0.3172,
0.3524

 8.7785, 0.3248,
0.4114

383.3937, 0.3169,

 4.5970, 0.3263,

0.3511

0.4330

450.2992, 0.3167,
0.3499

■ 2.0128, 0.3276,
0.4696

■ 0.6149, 0.2964,
0.7036

■ 88.9373, 0.3193,
0.3655

■ 88.9373, 0.3193,
0.3655

■ 85.3340, 0.3237,
0.3944

■ 92.9741, 0.3146,
0.3390

■ 82.1378, 0.3276,
0.4252

■ 96.2326, 0.3130,
0.3233

■ 79.3365, 0.3307,
0.4571

■ 76.9133, 0.3325,
0.4887

■ 74.8497, 0.3328,
0.5184

■ 73.1254, 0.3313,
0.5443

■ 71.7178, 0.3280,
0.5647

■ 70.6004, 0.3231,
0.5786

■ 70.0539, 0.3198,
0.5843

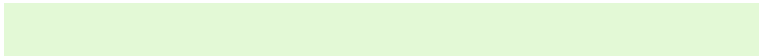
Harmonies

Analogous

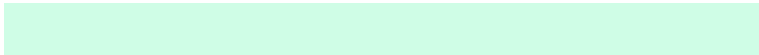
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9373, 0.3400, 0.3676



88.9373, 0.3193, 0.3655



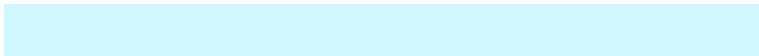
88.9373, 0.2974, 0.3525

Triad

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



88.9373, 0.3193, 0.3655



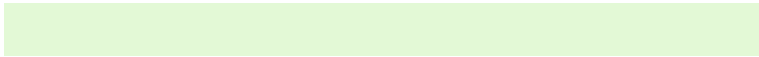
88.9373, 0.2731, 0.2980



88.9373, 0.3463, 0.3241

Complementary

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



88.9373, 0.3193, 0.3655



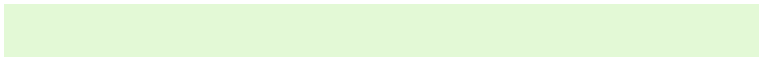
72.7733, 0.3052, 0.2932

Split Complementary

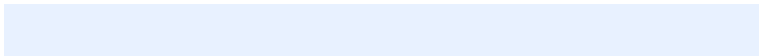
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9373, 0.3274, 0.3071



88.9373, 0.3193, 0.3655



88.9373, 0.2852, 0.2921

Square

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



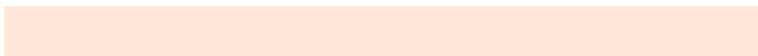
88.9373, 0.3193, 0.3655



88.9373, 0.2712, 0.3126



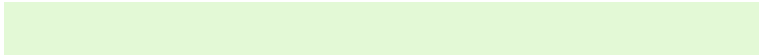
88.9373, 0.3049, 0.2955



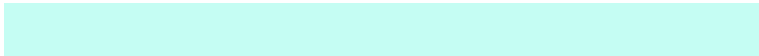
88.9373, 0.3561, 0.3429

Rectangle

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



88.9373, 0.3193, 0.3655



88.9373, 0.2850, 0.3396



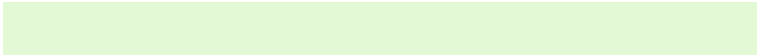
88.9373, 0.3049, 0.2955



88.9373, 0.3408, 0.3181

Sweetspot

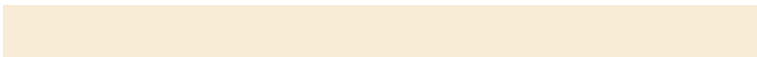
The Sweet Spot groups the original color and five complimentary colors.



88.9411, 0.3193, 0.3655



98.1647, 0.3146, 0.3389



84.7508, 0.3357, 0.3509



20.9392, 0.3150, 0.3408



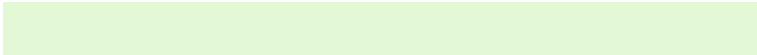
0.0000, 0.0000, 0.0000



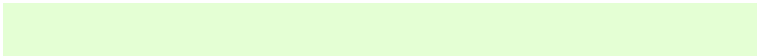
21.4041, 0.3127, 0.3290

Same Dimension

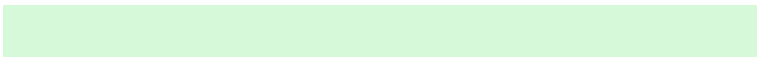
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9411, 0.3193, 0.3655



92.7096, 0.3206, 0.3739



87.1178, 0.3086, 0.3619



19.6232, 0.3172, 0.3531



37.5721, 0.3209, 0.5834



3.5379, 0.3300, 0.5761

Inverse Universe

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



72.7733, 0.3052, 0.2932



72.4648, 0.3033, 0.2852



74.8279, 0.3171, 0.2981



17.1835, 0.3078, 0.3052



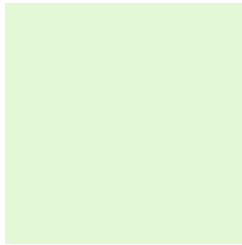
7.5548, 0.2294, 0.1038



0.7600, 0.2403, 0.1097

Previews

White Background



This preview shows how the Yxy color 88.9373, 0.3193, 0.3655 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 88.9373, 0.3193, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

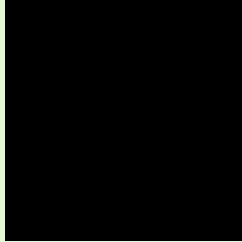
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

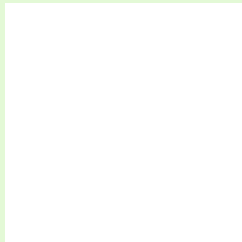
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.9373, 0.3193, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 88.9373, 0.3193, 0.3655.

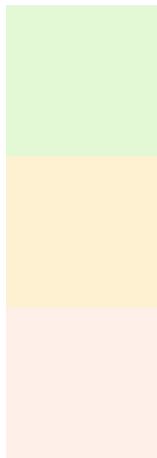


This preview shows how white text looks on a background with the Yxy color 88.9373, 0.3193, 0.3655.

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

88.9373, 0.3193, 0.3655

Protanopia

88.6346, 0.3410, 0.3599

Deuteranopia

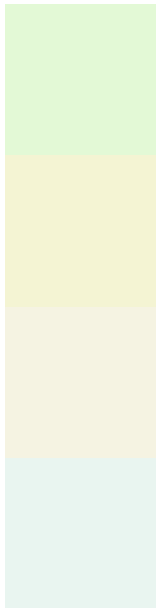
88.8762, 0.3272, 0.3349



Tritanopia

88.7288, 0.3018, 0.3161

Trichromacy



Original Color

88.9373, 0.3193, 0.3655

Protanomaly

88.6376, 0.3330, 0.3625

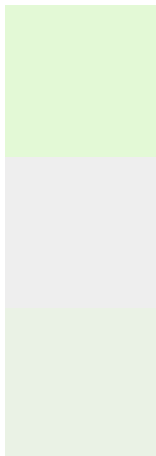
Deuteranomaly

89.0046, 0.3244, 0.3461

Tritanomaly

88.9197, 0.3080, 0.3341

Monochromacy



Original Color

88.9373, 0.3193, 0.3655

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.6538, 0.3154, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9373, 0.3193, 0.3655 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(227, 249, 214)` looks like.

```
.text, #text, p{  
    color:rgb(227, 249, 214)  
}
```

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(227, 249, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 249, 214) }
```

Border

The CSS property to change the border of an element to Yxy 88.9373, 0.3193, 0.3655 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(227, 249, 214) }
```

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

```
.border{ border-color:rgb(227, 249, 214) }
```

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

Here you see how a box with a 4 pixel rgb(227, 249, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 249, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 249, 214);  
box-shadow:4px 4px 4px 4px rgb(227, 249,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9373, 0.3193, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 249, 214) }
```

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

```
.background{ background-color: rgb(227,  
249, 214) }
```

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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