

Converting Colors

$Yxy(84.6953, 0.3293, 0.3760)$

Have a look what the booklet for
Yxy(84.6953, 0.3293, 0.3760)
contains.

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Color

Yxy(84.5556, 0.3290, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	E3F3C7
RGB	227, 243, 199
RGB Percent	89%, 95%, 78%
CMY	0.1097, 0.0471, 0.2195
CMYK	0.07, 0.00, 0.18, 0.05
HSL	82°, 65%, 87%
HSV	82°, 18%, 95%
XYZ	74.0452, 84.5556, 66.4607
YIQ	233.2000, 4.5880, -17.0760

Conversions

Conversions Part 2

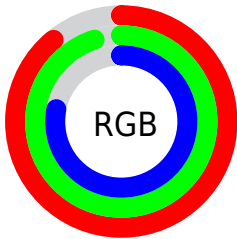
Format	Color
RYB	199, 243, 215
Decimal	14939079
CIELab	93.69, -12.74, 19.47
CIELCh	94, 23.266, 123.197
Yxy	84.5556, 0.3290, 0.3757
Android (android.graphics.Color)	4293129159 (0xFFE3F3C7)
YUV	233.2000, -16.8606, -5.4374
Hunter-Lab	91.9541, -17.1842, 21.5155

Details

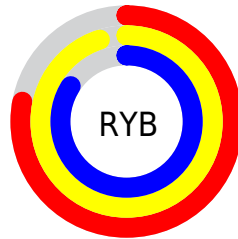
The Yxy color **84.5556, 0.3290, 0.3757** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.7715, 0.2941, 0.2812**, and the grayscale version is **81.7766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2429, 0.3319, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **82.1204, 0.3378, 0.4036**, and if you desaturate by 10%, it is **87.2520, 0.3200, 0.3492**.

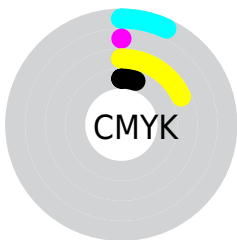
Distribution



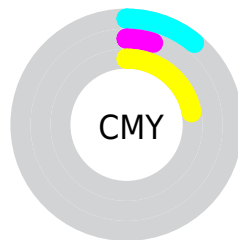
- Red (89%)
- Green (95%)
- Blue (78%)



- Red (78%)
- Yellow (95%)
- Blue (84%)



- Cyan (7%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5556, 0.3290, 0.3757 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 84.5556, 0.3290, 0.3757 by changing the saturation by 10% instead.

84.5556, 0.3290,
0.3757

84.5556, 0.3290,
0.3757

510.1564, 0.3219,
0.3542

63.4743, 0.3305,
0.3806

139.7521, 0.3266,
0.3683

46.2250, 0.3323,
0.3866

174.6361, 0.3257,
0.3654

32.4234, 0.3345,
0.3942

214.8897, 0.3249,
0.3629

21.6851, 0.3372,
0.4040

260.8973, 0.3241,
0.3607

13.6257, 0.3406,
0.4173

313.0435, 0.3235,
0.3588

7.8608, 0.3448,
0.4361

371.7124, 0.3229,

4.0060, 0.3501,

0.3571

0.4646

437.2886, 0.3224,
0.3556

■ 1.6769, 0.3718,
0.5358

■ 0.4086, 0.1593,
0.8407

■ 84.5556, 0.3290,
0.3757

■ 84.5556, 0.3290,
0.3757

■ 82.1204, 0.3378,
0.4036

■ 87.2520, 0.3200,
0.3492

■ 79.9256, 0.3459,
0.4320

■ 90.2076, 0.3110,
0.3244

■ 77.9647, 0.3529,
0.4602

■ 92.2965, 0.3123,
0.3175

■ 76.2264, 0.3583,
0.4867

■ 92.5799, 0.3133,
0.3175

■ 74.6983, 0.3615,
0.5104

■ 73.3664, 0.3624,
0.5299

■ 72.2145, 0.3607,
0.5445

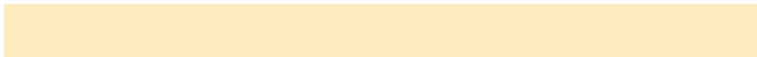
■ 71.2206, 0.3568,
0.5540

■ 71.0437, 0.3560,
0.5556

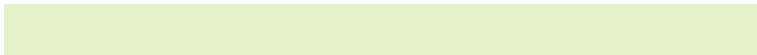
Harmonies

Analogous

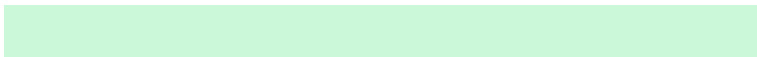
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5556, 0.3521, 0.3735



84.5556, 0.3290, 0.3757



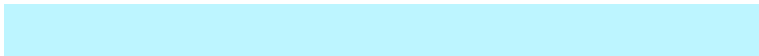
84.5556, 0.3023, 0.3639

Triad

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



84.5556, 0.3290, 0.3757



84.5556, 0.2631, 0.2961



84.5556, 0.3469, 0.3160

Complementary

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



84.5556, 0.3290, 0.3757



61.7715, 0.2941, 0.2812

Split Complementary

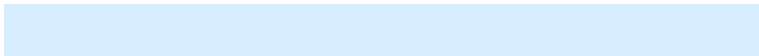
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5556, 0.3217, 0.2975



84.5556, 0.3290, 0.3757



84.5556, 0.2738, 0.2857

Square

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



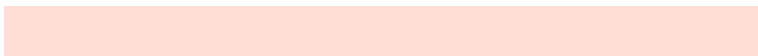
84.5556, 0.3290, 0.3757



84.5556, 0.2650, 0.3163



84.5556, 0.2949, 0.2865



84.5556, 0.3629, 0.3383

Rectangle

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



84.5556, 0.3290, 0.3757



84.5556, 0.2860, 0.3497



84.5556, 0.2949, 0.2865



84.5556, 0.3391, 0.3092

Sweetspot

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



84.5593, 0.3290, 0.3757



98.3382, 0.3172, 0.3414



71.4800, 0.3451, 0.3453



20.9997, 0.3178, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

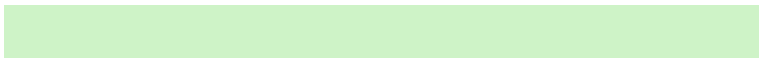
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5593, 0.3290, 0.3757



93.2375, 0.3325, 0.3866



81.2909, 0.3147, 0.3778



18.9952, 0.3212, 0.3528



39.0710, 0.3569, 0.5548



3.4919, 0.3647, 0.5486

Inverse Universe

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



61.7715, 0.2941, 0.2812



63.1234, 0.2894, 0.2697



65.2275, 0.3099, 0.2834



16.2196, 0.3036, 0.3049



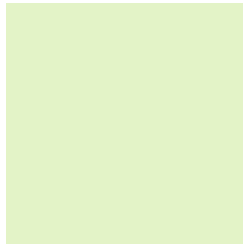
4.7663, 0.1787, 0.0758



0.4749, 0.1925, 0.0834

Previews

White Background



This preview shows how the Yxy color 84.5556, 0.3290, 0.3757 looks on a white background.

Color Contrast Check

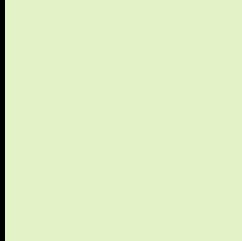
Large Text (above 18pt) WCAG AA × Fail

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 84.5556, 0.3290, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

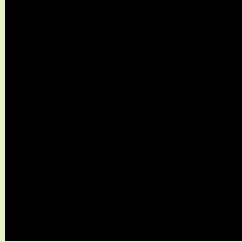
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

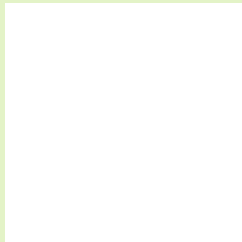
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5556, 0.3290, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 84.5556, 0.3290, 0.3757.

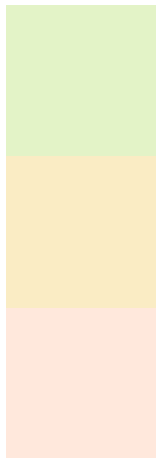


This preview shows how white text looks on a background with the Yxy color 84.5556, 0.3290, 0.3757.

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

84.5556, 0.3290, 0.3757

Protanopia

84.3004, 0.3482, 0.3697

Deuteranopia

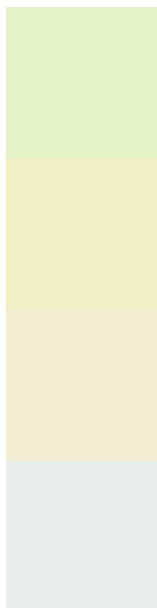
84.1405, 0.3365, 0.3410



Tritanopia

84.2346, 0.3012, 0.3099

Trichromacy



Original Color

84.5556, 0.3290, 0.3757

Protanomaly

84.6415, 0.3413, 0.3724

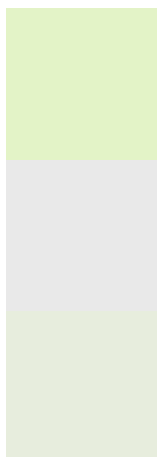
Deuteranomaly

84.1568, 0.3341, 0.3536

Tritanomaly

84.2454, 0.3112, 0.3331

Monochromacy



Original Color

84.5556, 0.3290, 0.3757

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.7778, 0.3186, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5556, 0.3290, 0.3757 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, 243, 199)` looks like.

```
.text, #text, p{  
    color:rgb(227, 243, 199)  
}
```

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, 243, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 243, 199) }
```

Border

The CSS property to change the border of an element to Yxy 84.5556, 0.3290, 0.3757 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, 243, 199) }
```

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

```
.border{ border-color:rgb(227, 243, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 243, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 243, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 243, 199);  
box-shadow:4px 4px 4px 4px rgb(227, 243,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5556, 0.3290, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 243, 199) }
```

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

```
.background{ background-color: rgb(227,  
243, 199) }
```

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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