

Converting Colors

$Yxy(84.9719, 0.3301, 0.3699)$

Have a look what the booklet for
Yxy(84.9719, 0.3301, 0.3699)
contains.

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Color

Yxy(84.9719, 0.3301, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	E8F2CB
RGB	232, 242, 203
RGB Percent	91%, 95%, 80%
CMY	0.0899, 0.0510, 0.2038
CMYK	0.04, 0.00, 0.16, 0.05
HSL	75°, 60%, 87%
HSV	75°, 16%, 95%
XYZ	75.8292, 84.9719, 68.9148
YIQ	234.5640, 6.5590, -14.2490

Conversions

Conversions Part 2

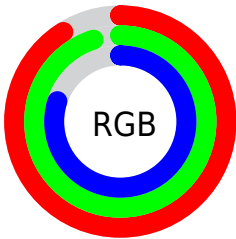
Format	Color
R _Y B	203, 242, 213
Decimal	15266507
CIE Lab	93.87, -9.85, 17.72
CIE LCh	94, 20.268, 119.068
Yxy	84.9719, 0.3301, 0.3699
Android (android.graphics.Color)	4293456587 (0xFFE8F2CB)
YUV	234.5640, -15.5611, -2.2486
Hunter-Lab	92.1802, -14.4778, 20.2004

Details

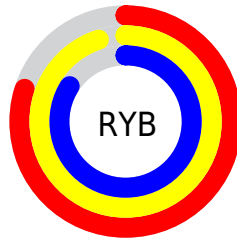
The Yxy color **84.9719, 0.3301, 0.3699** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.2661, 0.2934, 0.2865**, and the grayscale version is **82.8567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5178, 0.3333, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **82.8978, 0.3408, 0.3968**, and if you desaturate by 10%, it is **87.2696, 0.3192, 0.3440**.

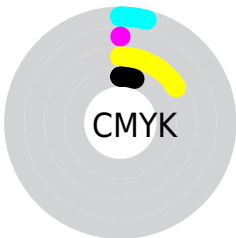
Distribution



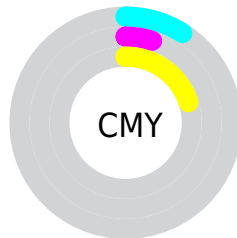
- Red (91%)
- Green (95%)
- Blue (80%)



- Red (80%)
- Yellow (95%)
- Blue (84%)



- Cyan (4%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)





- Cyan (9%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9719, 0.3301, 0.3699 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 84.9719, 0.3301, 0.3699 by changing the saturation by 10% instead.

 84.9719, 0.3301,
0.3699

 84.9719, 0.3301,
0.3699

511.5351, 0.3225,
0.3512

 63.8182, 0.3317,
0.3741


140.3339, 0.3275,
0.3634

 46.5034, 0.3337,
0.3793

175.3110, 0.3265,
0.3609

 32.6433, 0.3362,
0.3859


215.6646, 0.3256,
0.3587

 21.8533, 0.3392,
0.3943

261.7792, 0.3248,
0.3568

 13.7491, 0.3431,
0.4057

314.0392, 0.3241,
0.3552

 7.9464, 0.3483,
0.4218

372.8289, 0.3235,

 4.0607, 0.3552,

0.3537

0.4461

438.5327, 0.3230,
0.3524

■ 1.7076, 0.3739,
0.4994

■ 0.4285, 0.2803,
0.7197

■ 84.9719, 0.3301,
0.3699

■ 84.9719, 0.3301,
0.3699

■ 82.8978, 0.3408,
0.3968

■ 87.2696, 0.3192,
0.3440

■ 81.0274, 0.3511,
0.4241

■ 89.7880, 0.3086,
0.3197

■ 79.3551, 0.3603,
0.4508

■ 91.1386, 0.3104,
0.3164

■ 77.8708, 0.3680,
0.4759

■ 91.9750, 0.3133,
0.3165

■ 76.5631, 0.3736,
0.4980

■ 75.4196, 0.3768,
0.5162

■ 74.4253, 0.3773,
0.5297

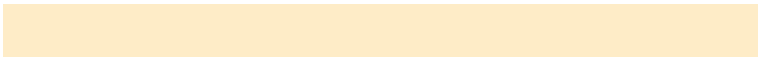
■ 73.5621, 0.3754,
0.5385

■ 73.2501, 0.3743,
0.5410

Harmonies

Analogous

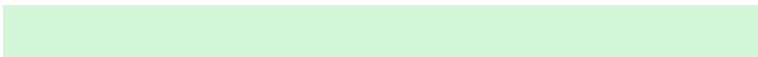
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9719, 0.3492, 0.3666



84.9719, 0.3301, 0.3699



84.9719, 0.3069, 0.3612

Triad

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



84.9719, 0.3301, 0.3699



84.9719, 0.2689, 0.3025



84.9719, 0.3397, 0.3152

Complementary

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



84.9719, 0.3301, 0.3699



63.2661, 0.2934, 0.2865

Split Complementary

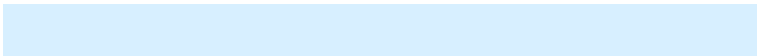
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9719, 0.3173, 0.2996



84.9719, 0.3301, 0.3699



84.9719, 0.2769, 0.2919

Square

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



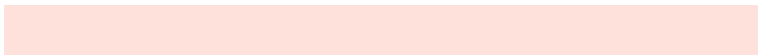
84.9719, 0.3301, 0.3699



84.9719, 0.2721, 0.3210



84.9719, 0.2943, 0.2911



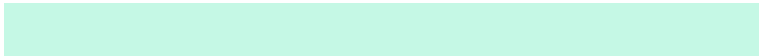
84.9719, 0.3550, 0.3346

Rectangle

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



84.9719, 0.3301, 0.3699



84.9719, 0.2922, 0.3497



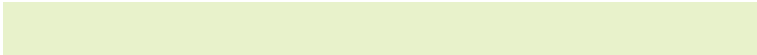
84.9719, 0.2943, 0.2911



84.9719, 0.3327, 0.3094

Sweetspot

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



84.9756, 0.3301, 0.3699



98.5959, 0.3181, 0.3413



70.6550, 0.3417, 0.3394



21.0624, 0.3188, 0.3431



0.0000, 0.0000, 0.0000



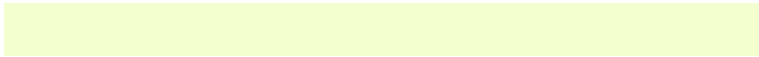
21.4041, 0.3127, 0.3290

Same Dimension

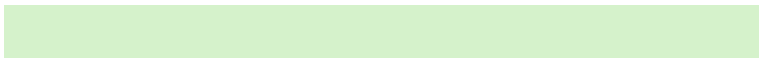
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9756, 0.3301, 0.3699



95.0001, 0.3333, 0.3778



81.9179, 0.3171, 0.3716



18.2449, 0.3229, 0.3526



39.4248, 0.3750, 0.5404



3.3267, 0.3811, 0.5356

Inverse Universe

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



63.2661, 0.2934, 0.2865



66.6685, 0.2894, 0.2779



66.3269, 0.3074, 0.2882



15.4230, 0.3019, 0.3049



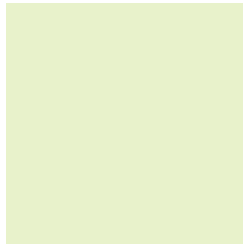
4.0412, 0.1650, 0.0683



0.3820, 0.1780, 0.0754

Previews

White Background



This preview shows how the Yxy color 84.9719, 0.3301, 0.3699 looks on a white background.

Color Contrast Check

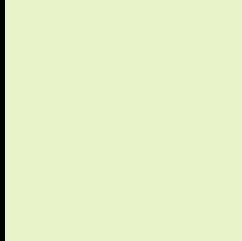
Large Text (above 18pt) WCAG AA × Fail

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 84.9719, 0.3301, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

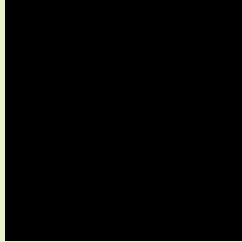
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

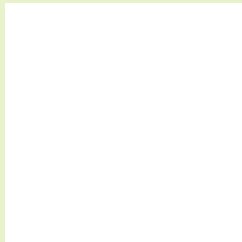
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9719, 0.3301, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 84.9719, 0.3301, 0.3699.

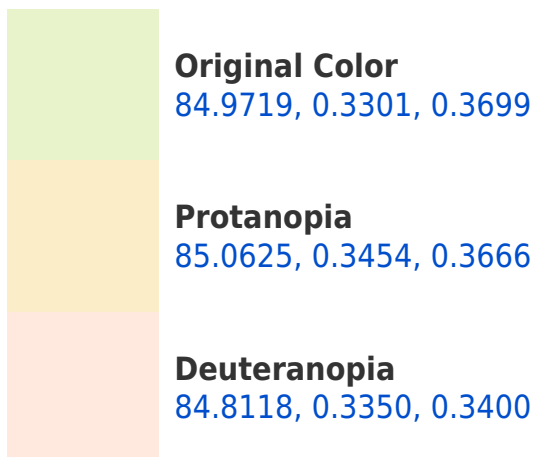


This preview shows how white text looks on a background with the Yxy color 84.9719, 0.3301, 0.3699.

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

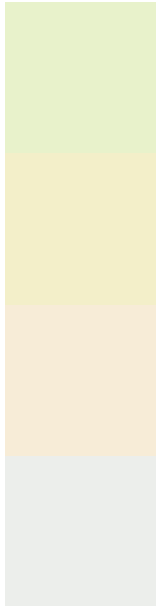




Tritanopia

84.8592, 0.3044, 0.3110

Trichromacy



Original Color

84.9719, 0.3301, 0.3699

Protanomaly

85.0047, 0.3394, 0.3681

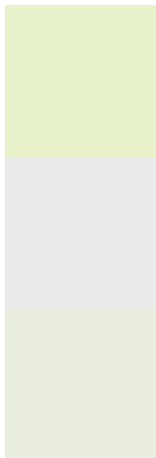
Deuteranomaly

84.6714, 0.3336, 0.3504

Tritanomaly

84.9801, 0.3132, 0.3321

Monochromacy



Original Color

84.9719, 0.3301, 0.3699

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9692, 0.3193, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9719, 0.3301, 0.3699 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(232, 242, 203)` looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 203)  
}
```

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(232, 242, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 203) }
```

Border

The CSS property to change the border of an element to Yxy 84.9719, 0.3301, 0.3699 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(232, 242, 203) }
```

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

```
.border{ border-color:rgb(232, 242, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 242, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 203);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9719, 0.3301, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 203) }
```

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

```
.background{ background-color: rgb(232,  
242, 203) }
```

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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