

Converting Colors

$Yxy(84.9778, 0.3293, 0.3601)$

Have a look what the booklet for
Yxy(84.9778, 0.3293, 0.3601)
contains.

Yxy(84.9778, 0.3293, 0.3601)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.9778, 0.3293, 0.3601)

Conversions

Conversions Part 1

Format	Color
Hex	EDF0D2
RGB	237, 240, 210
RGB Percent	93%, 94%, 82%
CMY	0.0708, 0.0588, 0.1764
CMYK	0.01, 0.00, 0.12, 0.06
HSL	66°, 50%, 88%
HSV	66°, 12%, 94%
XYZ	77.7095, 84.9778, 73.2966
YIQ	235.6830, 7.8420, -9.9660

Conversions

Conversions Part 2

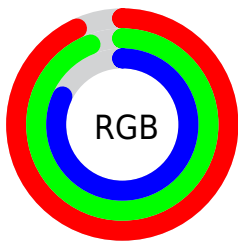
Format	Color
R _Y B	210, 240, 213
Decimal	15593682
CIE Lab	93.87, -6.06, 14.15
CIE LCh	94, 15.396, 113.165
Yxy	84.9778, 0.3293, 0.3601
Android (android.graphics.Color)	4293783762 (0xFFEDF0D2)
YUV	235.6830, -12.6617, 1.1550
Hunter-Lab	92.1834, -10.8476, 17.3859

Details

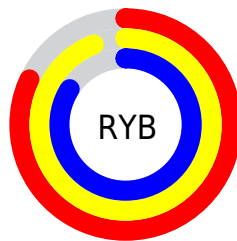
The Yxy color **84.9778, 0.3293, 0.3601** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.5588, 0.2950, 0.2963**, and the grayscale version is **83.7188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4713, 0.3333, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **83.4546, 0.3428, 0.3859**, and if you desaturate by 10%, it is **86.6936, 0.3160, 0.3351**.

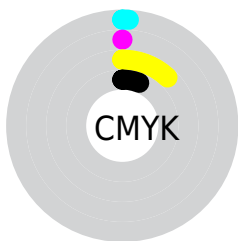
Distribution



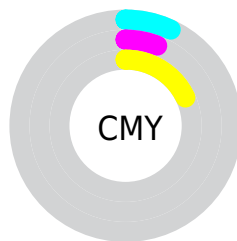
- Red (93%)
- Green (94%)
- Blue (82%)



- Red (82%)
- Yellow (94%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9778, 0.3293, 0.3601 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 84.9778, 0.3293, 0.3601 by changing the saturation by 10% instead.

 84.9778, 0.3293,
0.3601

 84.9778, 0.3293,
0.3601

511.5546, 0.3219,
0.3459

 63.8230, 0.3309,
0.3633


140.3422, 0.3268,
0.3552

 46.5074, 0.3329,
0.3672


175.3205, 0.3258,
0.3533

 32.6464, 0.3353,
0.3721


215.6756, 0.3249,
0.3517

 21.8557, 0.3384,
0.3784

261.7917, 0.3242,
0.3502

 13.7509, 0.3424,
0.3869

314.0533, 0.3235,
0.3490

 7.9476, 0.3480,
0.3989

372.8447, 0.3229,

 4.0614, 0.3558,

0.3478

0.4169

438.5503, 0.3224,
0.3468

■ 1.7080, 0.3701,
0.4500

■ 0.4288, 0.3772,
0.6228

■ 84.9778, 0.3293,
0.3601

■ 84.9778, 0.3293,
0.3601

■ 83.4546, 0.3428,
0.3859

■ 86.6936, 0.3160,
0.3351

■ 82.1049, 0.3560,
0.4118


■ 88.4016, 0.3049,
0.3142

■ 80.9238, 0.3685,
0.4368


■ 88.8376, 0.3065,
0.3143

■ 79.9020, 0.3796,
0.4600


■ 89.2795, 0.3081,
0.3144


 79.0293, 0.3887,
0.4802


 89.7272, 0.3096,
0.3144


 78.2941, 0.3956,
0.4967


 90.1808, 0.3112,
0.3145

 77.6832, 0.3998,
0.5088

 90.6402, 0.3128,
0.3146

 77.1807, 0.4014,
0.5163

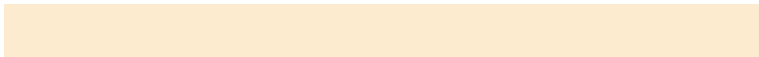
 90.8100, 0.3134,
0.3146

 76.8561, 0.4012,
0.5196

Harmonies

Analogous

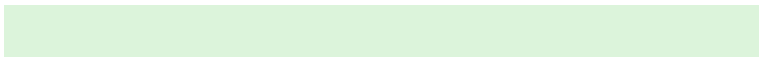
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9778, 0.3425, 0.3562



84.9778, 0.3293, 0.3601



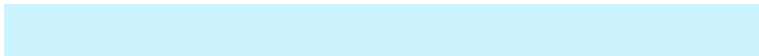
84.9778, 0.3119, 0.3552

Triad

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



84.9778, 0.3293, 0.3601



84.9778, 0.2790, 0.3114



84.9778, 0.3302, 0.3158

Complementary

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



84.9778, 0.3293, 0.3601



66.5588, 0.2950, 0.2963

Split Complementary

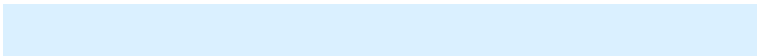
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9778, 0.3128, 0.3046



84.9778, 0.3293, 0.3601



84.9778, 0.2835, 0.3018

Square

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



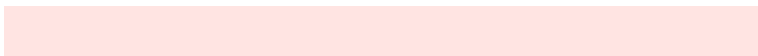
84.9778, 0.3293, 0.3601



84.9778, 0.2832, 0.3263



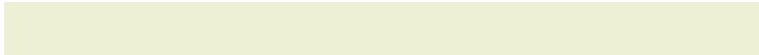
84.9778, 0.2957, 0.2995



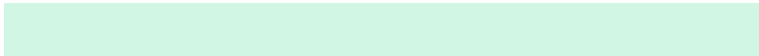
84.9778, 0.3431, 0.3305

Rectangle

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



84.9778, 0.3293, 0.3601



84.9778, 0.3004, 0.3474



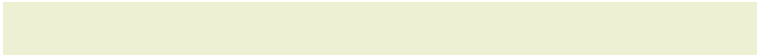
84.9778, 0.2957, 0.2995



84.9778, 0.3247, 0.3116

Sweetspot

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



84.9815, 0.3293, 0.3601



99.1635, 0.3180, 0.3388



70.7848, 0.3350, 0.3322



21.1922, 0.3190, 0.3407



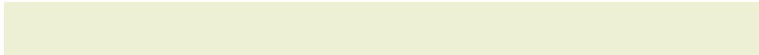
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.9815, 0.3293, 0.3601



97.0439, 0.3327, 0.3666



82.5179, 0.3191, 0.3611



18.3723, 0.3252, 0.3524



42.0996, 0.4015, 0.5194



3.5257, 0.4040, 0.5174

Inverse Universe

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



66.5588, 0.2950, 0.2963



72.0348, 0.2909, 0.2890



68.8968, 0.3055, 0.2974



15.3059, 0.2995, 0.3047



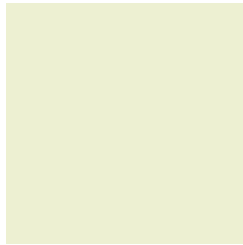
3.5798, 0.1535, 0.0619



0.3234, 0.1612, 0.0662

Previews

White Background



This preview shows how the Yxy color 84.9778, 0.3293, 0.3601 looks on a white background.

Color Contrast Check

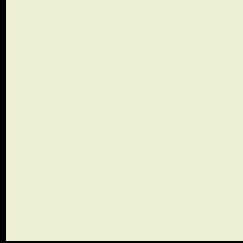
Large Text (above 18pt) WCAG AA × Fail

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 84.9778, 0.3293, 0.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

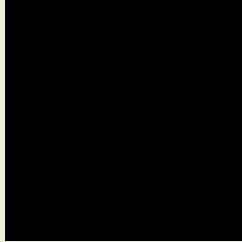
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

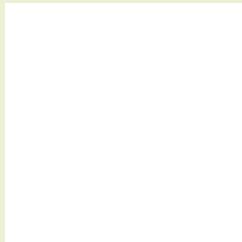
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9778, 0.3293, 0.3601

Background



This preview shows how black text looks on a background with the Yxy color 84.9778, 0.3293, 0.3601.

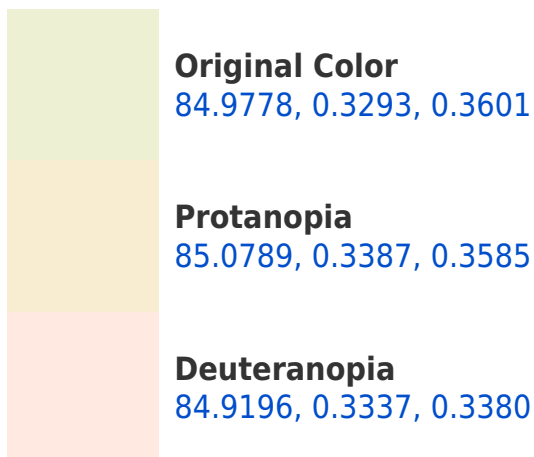


This preview shows how white text looks on a background with the Yxy color 84.9778, 0.3293, 0.3601.

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

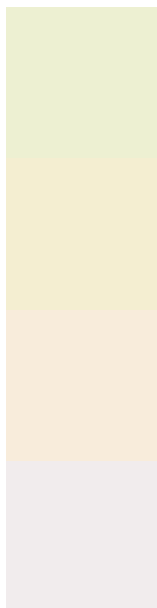




Tritanopia

84.9286, 0.3076, 0.3112

Trichromacy



Original Color

84.9778, 0.3293, 0.3601

Protanomaly

84.9856, 0.3351, 0.3587

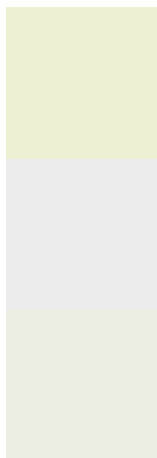
Deuteranomaly

85.0618, 0.3317, 0.3462

Tritanomaly

84.8061, 0.3154, 0.3280

Monochromacy



Original Color

84.9778, 0.3293, 0.3601

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9473, 0.3183, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9778, 0.3293, 0.3601 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(237, 240, 210)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 210)  
}
```

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(237, 240, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 210) }
```

Border

The CSS property to change the border of an element to Yxy 84.9778, 0.3293, 0.3601 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(237, 240, 210) }
```

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

```
.border{ border-color:rgb(237, 240, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 210);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9778, 0.3293, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 210) }
```

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

```
.background{ background-color: rgb(237,  
240, 210) }
```

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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