

Converting Colors

$Yxy(84.1652, 0.3076, 0.3215)$

Have a look what the booklet for
Yxy(84.1652, 0.3076, 0.3215)
contains.

Yxy(84.1241, 0.3078, 0.3219)	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(84.1241, 0.3078, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	EBECF3
RGB	235, 236, 243
RGB Percent	92%, 93%, 95%
CMY	0.0783, 0.0745, 0.0471
CMYK	0.03, 0.03, 0.00, 0.05
HSL	233°, 25%, 94%
HSV	233°, 3%, 95%
XYZ	80.4393, 84.1241, 96.7728
YIQ	236.4990, -2.8430, 1.9650

Conversions

Conversions Part 2

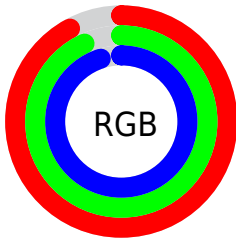
Format	Color
R _Y B	235, 236, 243
Decimal	15461619
CIE Lab	93.50, 0.95, -3.49
CIE LCh	94, 3.617, 285.164
Yxy	84.1241, 0.3078, 0.3219
Android (android.graphics.Color)	4293651699 (0xFFEBECF3)
YUV	236.4990, 3.2050, -1.3146
Hunter-Lab	91.7192, -3.9611, 1.6467

Details

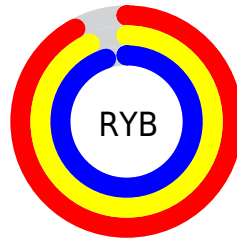
The Yxy color **84.1241, 0.3078, 0.3219** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.5635, 0.3176, 0.3360**, and the grayscale version is **84.2644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8141, 0.3063, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **68.7012, 0.2916, 0.2982**, and if you desaturate by 10%, it is **99.2497, 0.3197, 0.3405**.

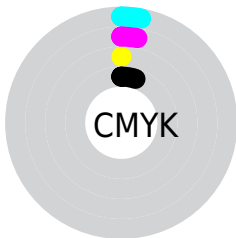
Distribution



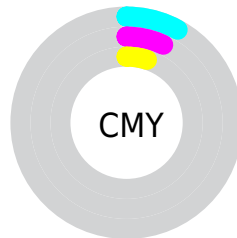
- Red (92%)
- Green (93%)
- Blue (95%)



- Red (92%)
- Yellow (93%)
- Blue (95%)



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (8%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1241, 0.3078, 0.3219 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 84.1241, 0.3078, 0.3219 by changing the saturation by 10% instead.

84.1241, 0.3078,
0.3219

84.1241, 0.3078,
0.3219

508.7253, 0.3100,
0.3251

63.1179, 0.3073,
0.3212

139.1488, 0.3086,
0.3230

45.9366, 0.3067,
0.3203

173.9360, 0.3089,
0.3234

32.1958, 0.3059,
0.3192

214.0857, 0.3091,
0.3238

21.5111, 0.3050,
0.3178

259.9823, 0.3093,
0.3241

13.4981, 0.3037,
0.3160

312.0102, 0.3095,
0.3244

7.7724, 0.3018,
0.3134

370.5537, 0.3097,

3.9497, 0.2991,

0.3247

0.3095

435.9972, 0.3099,
0.3249

■ 1.6455, 0.2944,
0.3030

■ 0.3880, 0.2709,
0.2682

■ 84.1241, 0.3078,
0.3219

■ 84.1241, 0.3078,
0.3219

■ 68.7012, 0.2916,
0.2982

■ 99.2497, 0.3197,
0.3405

■ 55.2350, 0.2737,
0.2716

■ 43.6502, 0.2543,
0.2421

■ 33.8625, 0.2340,
0.2106

■ 25.7814, 0.2136,
0.1780

■ 19.3083, 0.1943,
0.1461

■ 14.3342, 0.1774,
0.1171

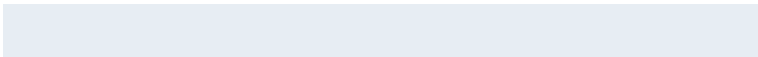
■ 10.7365, 0.1642,
0.0929

■ 8.3724, 0.1556,
0.0753

Harmonies

Analogous

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



84.1241, 0.3053, 0.3231



84.1241, 0.3078, 0.3219



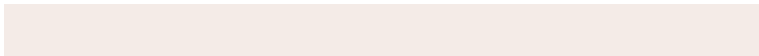
84.1241, 0.3117, 0.3226

Triad

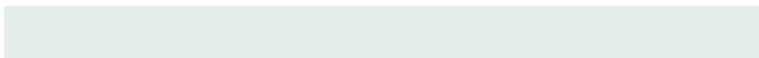
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1241, 0.3078, 0.3219



84.1241, 0.3208, 0.3321



84.1241, 0.3096, 0.3331

Complementary

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



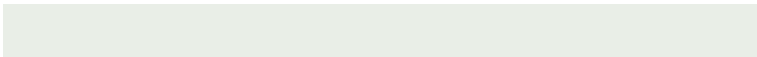
84.1241, 0.3078, 0.3219



88.5635, 0.3176, 0.3360

Split Complementary

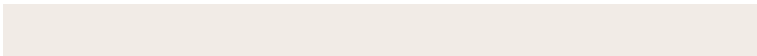
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1241, 0.3137, 0.3355



84.1241, 0.3078, 0.3219



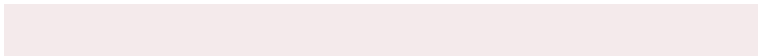
84.1241, 0.3202, 0.3349

Square

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



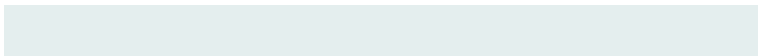
84.1241, 0.3078, 0.3219



84.1241, 0.3192, 0.3285



84.1241, 0.3176, 0.3362



84.1241, 0.3063, 0.3295

Rectangle

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



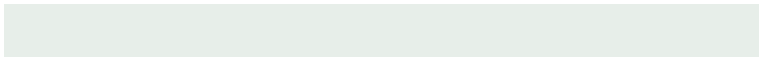
84.1241, 0.3078, 0.3219



84.1241, 0.3145, 0.3241



84.1241, 0.3176, 0.3362



84.1241, 0.3109, 0.3341

Sweetspot

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



84.1277, 0.3078, 0.3219



98.0982, 0.3112, 0.3269



88.1616, 0.3082, 0.3301



21.0171, 0.3113, 0.3270



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.



84.1277, 0.3078, 0.3219



92.5306, 0.3067, 0.3203



84.0744, 0.3097, 0.3210



17.8751, 0.3055, 0.3186



4.1476, 0.1525, 0.0689



0.4666, 0.1571, 0.0855

Inverse Universe

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



84.5434, 0.3175, 0.3280



93.1000, 0.3186, 0.3278



88.6245, 0.3156, 0.3370



18.0071, 0.3197, 0.3276



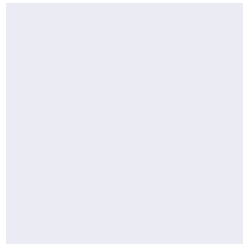
10.5181, 0.6250, 0.3217



0.9347, 0.5983, 0.3069

Previews

White Background



This preview shows how the Yxy color 84.1241, 0.3078, 0.3219 looks on a white background.

Color Contrast Check

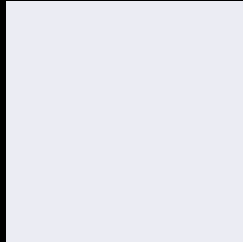
Large Text (above 18pt) WCAG AA × Fail

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 84.1241, 0.3078, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

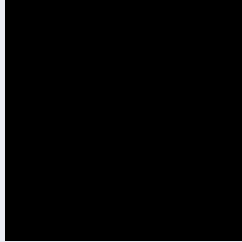
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

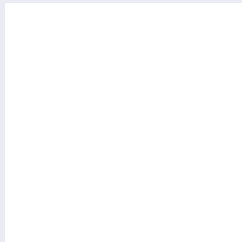
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1241, 0.3078, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 84.1241, 0.3078, 0.3219.

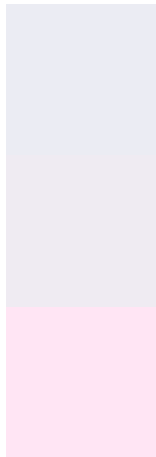


This preview shows how white text looks on a background with the Yxy color 84.1241, 0.3078, 0.3219.

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

84.1241, 0.3078, 0.3219

Protanopia

84.1782, 0.3110, 0.3219

Deuteranopia

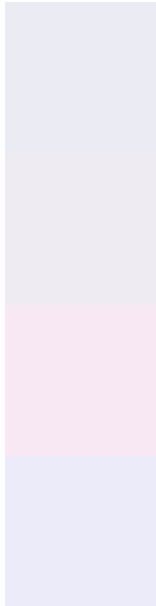
83.8303, 0.3209, 0.3144



Tritanopia

83.9420, 0.3031, 0.3099

Trichromacy



Original Color

84.1241, 0.3078, 0.3219

Protanomaly

84.0046, 0.3104, 0.3219

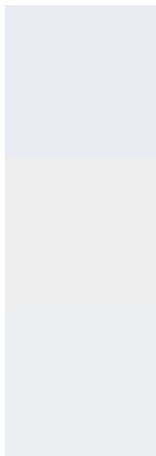
Deuteranomaly

84.2013, 0.3160, 0.3171

Tritanomaly

84.0891, 0.3048, 0.3149

Monochromacy



Original Color

84.1241, 0.3078, 0.3219

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6332, 0.3108, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1241, 0.3078, 0.3219 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(235, 236, 243)` looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 243)  
}
```

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(235, 236, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 243) }
```

Border

The CSS property to change the border of an element to Yxy 84.1241, 0.3078, 0.3219 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(235, 236, 243) }
```

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

```
.border{ border-color:rgb(235, 236, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 236, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 243);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1241, 0.3078, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 243) }
```

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

```
.background{ background-color: rgb(235,  
236, 243) }
```

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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