

Converting Colors

Yxy(84.9068, 0.3099, 0.3225)

Have a look what the booklet for
Yxy(84.9068, 0.3099, 0.3225)
contains.

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Color

Yxy(84.6391, 0.3097, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	EEEECF3
RGB	238, 236, 243
RGB Percent	93%, 93%, 95%
CMY	0.0668, 0.0745, 0.0469
CMYK	0.02, 0.03, 0.00, 0.05
HSL	257°, 23%, 94%
HSV	257°, 3%, 95%
XYZ	81.4313, 84.6391, 96.8656
YIQ	237.3960, -1.0550, 2.6010

Conversions

Conversions Part 2

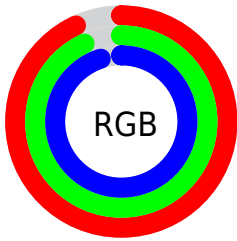
Format	Color
R _Y B	238, 236, 243
Decimal	15658227
CIE Lab	93.73, 1.92, -3.17
CIE LCh	94, 3.705, 301.233
Yxy	84.6391, 0.3097, 0.3219
Android (android.graphics.Color)	4293848307 (0xFFEEECF3)
YUV	237.3960, 2.7628, 0.5297
Hunter-Lab	91.9995, -3.0039, 1.9736

Details

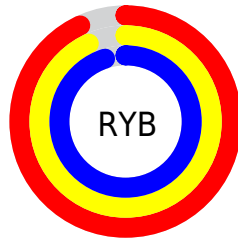
The Yxy color **84.6391, 0.3097, 0.3219** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.8912, 0.3157, 0.3361**, and the grayscale version is **84.9894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1755, 0.3089, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **68.7049, 0.2982, 0.2956**, and if you desaturate by 10%, it is **99.2532, 0.3197, 0.3405**.

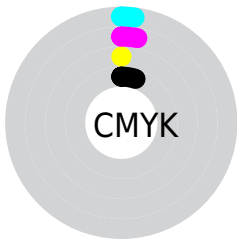
Distribution



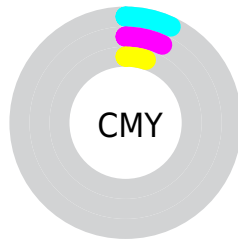
- Red (93%)
- Green (93%)
- Blue (95%)



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



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6391, 0.3097, 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 84.6391, 0.3097, 0.3219 by changing the saturation by 10% instead.


 84.6391, 0.3097,
0.3219

 84.6391, 0.3097,
0.3219

510.4331, 0.3111,
0.3251

 63.5432, 0.3094,
0.3212

139.8688, 0.3102,
0.3230

 46.2808, 0.3090,
0.3203

174.7715, 0.3104,
0.3234

 32.4675, 0.3086,
0.3192


215.0452, 0.3105,
0.3238

 21.7188, 0.3079,
0.3179

261.0743, 0.3107,
0.3241

 13.6504, 0.3071,
0.3160

313.2433, 0.3108,
0.3244

 7.8779, 0.3060,
0.3134

371.9365, 0.3109,

 4.0169, 0.3043,

0.3247

0.3096

437.5383, 0.3110,
0.3249

■ 1.6830, 0.3014,
0.3033

■ 0.4126, 0.2884,
0.2710

■ 84.6391, 0.3097,
0.3219

■ 84.6391, 0.3097,
0.3219

■ 68.7049, 0.2982,
0.2956

■ 99.2532, 0.3197,
0.3405

■ 54.8807, 0.2850,
0.2666

■ 43.0799, 0.2700,
0.2354

■ 33.2056, 0.2536,
0.2027

■ 25.1528, 0.2361,
0.1700

■ 18.8065, 0.2184,
0.1391

■ 14.0378, 0.2013,
0.1119

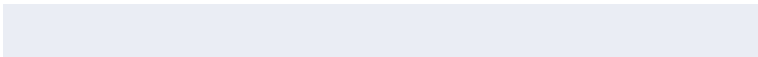
■ 10.6991, 0.1860,
0.0903

■ 8.6127, 0.1735,
0.0757

Harmonies

Analogous

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



84.6391, 0.3063, 0.3221



84.6391, 0.3097, 0.3219



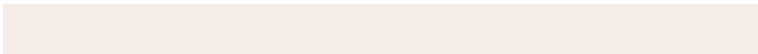
84.6391, 0.3140, 0.3236

Triad

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



84.6391, 0.3097, 0.3219



84.6391, 0.3210, 0.3339



84.6391, 0.3075, 0.3313

Complementary

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



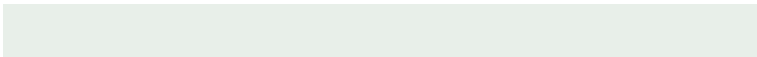
84.6391, 0.3097, 0.3219



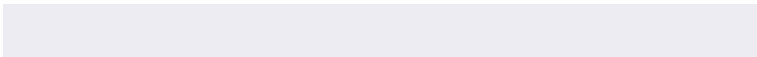
88.8912, 0.3157, 0.3361

Split Complementary

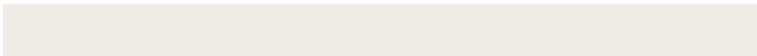
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6391, 0.3114, 0.3345



84.6391, 0.3097, 0.3219



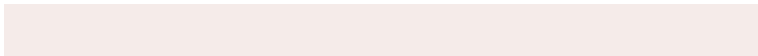
84.6391, 0.3192, 0.3360

Square

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



84.6391, 0.3097, 0.3219



84.6391, 0.3205, 0.3305



84.6391, 0.3157, 0.3363



84.6391, 0.3050, 0.3275

Rectangle

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



84.6391, 0.3097, 0.3219



84.6391, 0.3167, 0.3256



84.6391, 0.3157, 0.3363



84.6391, 0.3087, 0.3325

Sweetspot

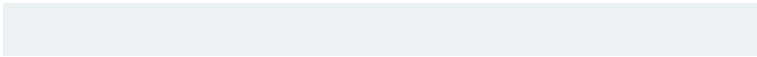
The Sweet Spot groups the original color and five complimentary colors.



84.6427, 0.3097, 0.3219



98.0374, 0.3117, 0.3266



87.3138, 0.3082, 0.3271



21.0047, 0.3117, 0.3267



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.



84.6427, 0.3097, 0.3219



94.1865, 0.3096, 0.3216



85.2398, 0.3120, 0.3220



18.1686, 0.3087, 0.3196



4.2864, 0.1678, 0.0698



0.4262, 0.1806, 0.0768

Inverse Universe

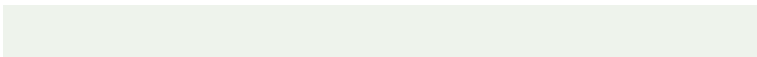
The Inverse Universe completely reimagines the original color for something new.



85.4118, 0.3143, 0.3239



95.0785, 0.3143, 0.3237



88.2952, 0.3134, 0.3361



18.3883, 0.3148, 0.3223



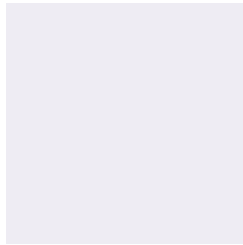
12.1783, 0.4073, 0.2017



1.0878, 0.3939, 0.1944

Previews

White Background



This preview shows how the Yxy color 84.6391, 0.3097, 0.3219 looks on a white background.

Color Contrast Check

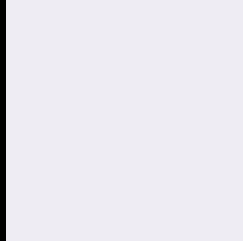
Large Text (above 18pt) WCAG AA × Fail

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 84.6391, 0.3097, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

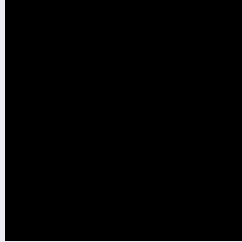
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

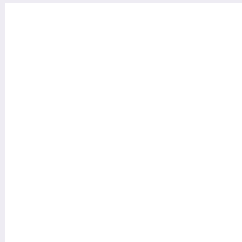
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6391, 0.3097, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 84.6391, 0.3097, 0.3219.

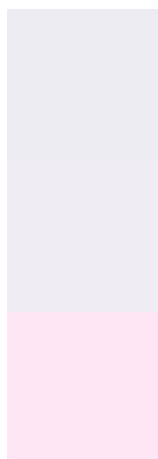


This preview shows how white text looks on a background with the Yxy color 84.6391, 0.3097, 0.3219.

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

84.6391, 0.3097, 0.3219

Protanopia

84.8127, 0.3104, 0.3219

Deuteranopia

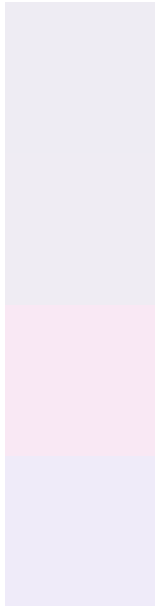
84.3853, 0.3209, 0.3153



Tritanopia

84.4628, 0.3050, 0.3101

Trichromacy



Original Color

84.6391, 0.3097, 0.3219

Protanomaly

84.8127, 0.3104, 0.3219

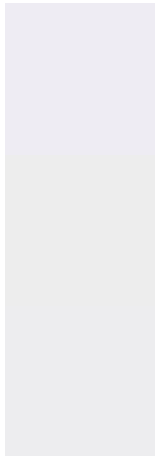
Deuteranomaly

84.3846, 0.3167, 0.3171

Tritanomaly

84.6069, 0.3068, 0.3150

Monochromacy



Original Color

84.6391, 0.3097, 0.3219

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.8049, 0.3115, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6391, 0.3097, 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(238, 236, 243)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 236, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 243) }
```

Border

The CSS property to change the border of an element to Yxy 84.6391, 0.3097, 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(238, 236, 243) }
```

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

```
.border{ border-color:rgb(238, 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(238, 236, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 236, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 236, 243);  
box-shadow:4px 4px 4px 4px rgb(238, 236,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6391, 0.3097, 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(238, 236, 243) }
```

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

```
.background{ background-color: rgb(238,  
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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