

Converting Colors

Yxy(87.6514, 0.3110, 0.3395)

Have a look what the booklet for
Yxy(87.6514, 0.3110, 0.3395)
contains.

Yxy(87.7977, 0.3109, 0.3392)	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(87.7977, 0.3109, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	E8F4EA
RGB	232, 244, 234
RGB Percent	91%, 96%, 92%
CMY	0.0904, 0.0431, 0.0822
CMYK	0.05, 0.00, 0.04, 0.04
HSL	130°, 35%, 93%
HSV	130°, 5%, 96%
XYZ	80.4726, 87.7977, 90.5673
YIQ	239.2720, -3.9420, -5.6540

Conversions

Conversions Part 2

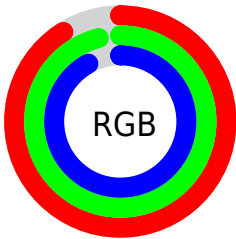
Format	Color
R _Y B	232, 242, 244
Decimal	15267050
CIE Lab	95.08, -5.76, 3.42
CIE LCh	95, 6.700, 149.312
Yxy	87.7977, 0.3109, 0.3392
Android (android.graphics.Color)	4293457130 (0xFFE8F4EA)
YUV	239.2720, -2.5991, -6.3775
Hunter-Lab	93.7004, -10.6749, 8.2828

Details

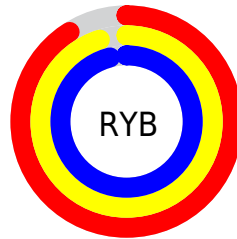
The Yxy color **87.7977, 0.3109, 0.3392** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.3314, 0.3146, 0.3190**, and the grayscale version is **86.5608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4109, 0.3105, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **82.9022, 0.3072, 0.3619**, and if you desaturate by 10%, it is **93.1419, 0.3137, 0.3192**.

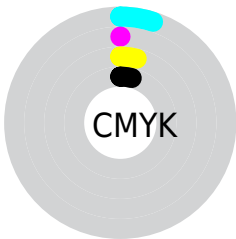
Distribution



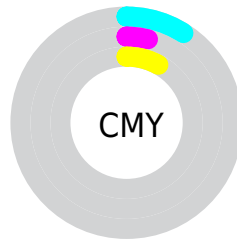
- Red (91%)
- Green (96%)
- Blue (92%)



- Red (91%)
- Yellow (95%)
- Blue (96%)



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



- Cyan (9%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7977, 0.3109, 0.3392 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 87.7977, 0.3109, 0.3392 by changing the saturation by 10% instead.

 87.7977, 0.3109,
0.3392

 87.7977, 0.3109,
0.3392

520.8405, 0.3117,
0.3346

 66.1555, 0.3107,
0.3402


144.2755, 0.3112,
0.3376

 48.3987, 0.3105,
0.3415


179.8799, 0.3113,
0.3370

 34.1427, 0.3102,
0.3430


220.9072, 0.3114,
0.3365

 23.0033, 0.3098,
0.3451

267.7417, 0.3115,
0.3360

 14.5959, 0.3093,
0.3478

320.7679, 0.3116,
0.3356

 8.5363, 0.3086,
0.3515

380.3702, 0.3116,

 4.4400, 0.3075,

0.3352

0.3572

446.9329, 0.3117,
0.3349

■ 1.9226, 0.3055,
0.3668

■ 0.5619, 0.2962,
0.4231

■ 87.7977, 0.3109,
0.3392

■ 87.7977, 0.3109,
0.3392

■ 82.9022, 0.3072,
0.3619

■ 93.1419, 0.3137,
0.3192

■ 78.6746, 0.3035,
0.3875

■ 93.1910, 0.3132,
0.3185

■ 75.0893, 0.2999,
0.4156

■ 72.1145, 0.2968,
0.4459

■ 69.7158, 0.2944,
0.4772

■ 67.8553, 0.2929,
0.5080

■ 66.4905, 0.2925,
0.5366

■ 65.5723, 0.2933,
0.5609

■ 65.0410, 0.2952,
0.5794

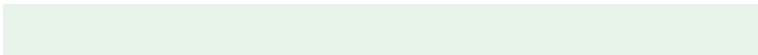
Harmonies

Analogous

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



87.7977, 0.3185, 0.3421



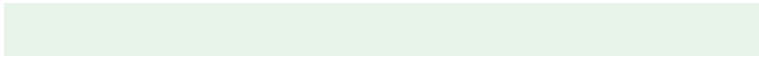
87.7977, 0.3109, 0.3392



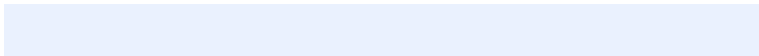
87.7977, 0.3039, 0.3335

Triad

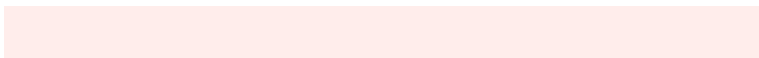
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7977, 0.3109, 0.3392



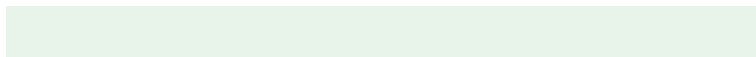
87.7977, 0.3009, 0.3167



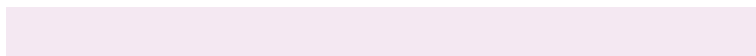
87.7977, 0.3264, 0.3312

Complementary

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



87.7977, 0.3109, 0.3392



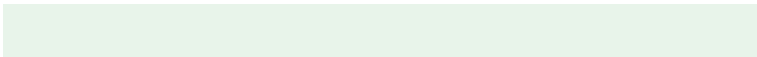
83.3314, 0.3146, 0.3190

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.



87.7977, 0.3216, 0.3246



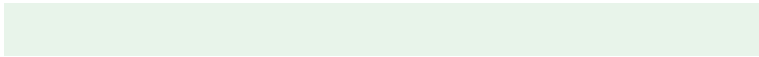
87.7977, 0.3109, 0.3392



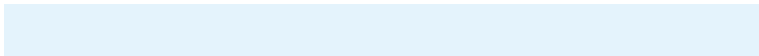
87.7977, 0.3068, 0.3163

Square

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



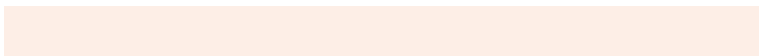
87.7977, 0.3109, 0.3392



87.7977, 0.2981, 0.3205



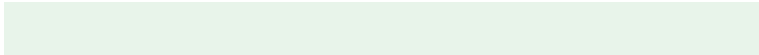
87.7977, 0.3144, 0.3191



87.7977, 0.3275, 0.3373

Rectangle

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



87.7977, 0.3109, 0.3392



87.7977, 0.3004, 0.3289



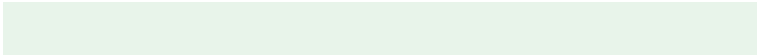
87.7977, 0.3144, 0.3191



87.7977, 0.3252, 0.3289

Sweetspot

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



87.8015, 0.3109, 0.3392



99.3843, 0.3123, 0.3310



89.4129, 0.3187, 0.3411



21.2788, 0.3124, 0.3309



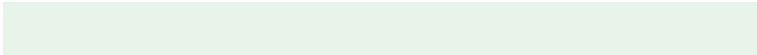
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

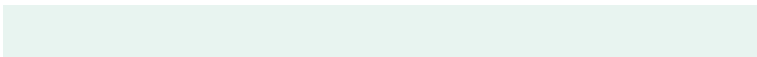
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8015, 0.3109, 0.3392



96.4234, 0.3105, 0.3415



88.1503, 0.3074, 0.3331



18.8285, 0.3103, 0.3429



35.2853, 0.2957, 0.5845



3.1142, 0.2900, 0.5640

Inverse Universe

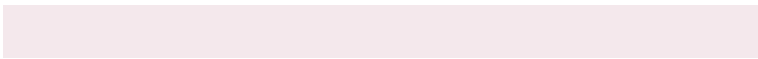
The Inverse Universe completely reimagines the original color for something new.



83.3314, 0.3146, 0.3190



90.4554, 0.3150, 0.3168



82.9787, 0.3184, 0.3250



17.5423, 0.3153, 0.3155



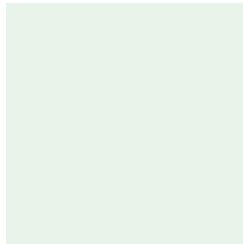
12.7961, 0.3698, 0.1811



1.1373, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 87.7977, 0.3109, 0.3392 looks on a white background.

Color Contrast Check

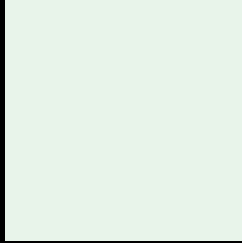
Large Text (above 18pt) WCAG AA × Fail

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 87.7977, 0.3109, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

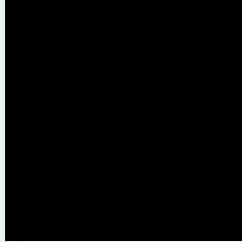
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

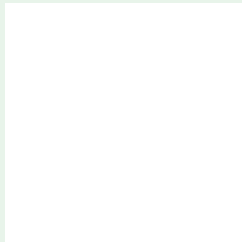
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7977, 0.3109, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 87.7977, 0.3109, 0.3392.

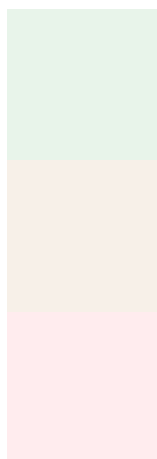


This preview shows how white text looks on a background with the Yxy color 87.7977, 0.3109, 0.3392.

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

87.7977, 0.3109, 0.3392

Protanopia

87.9205, 0.3223, 0.3370

Deuteranopia

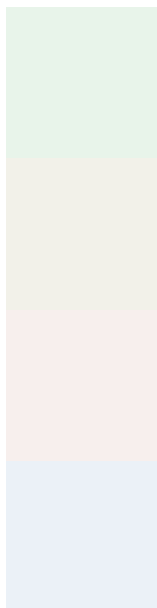
87.4240, 0.3243, 0.3271



Tritanopia

87.5447, 0.3018, 0.3141

Trichromacy



Original Color

87.7977, 0.3109, 0.3392

Protanomaly

87.6710, 0.3183, 0.3371

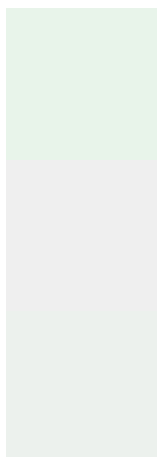
Deuteranomaly

87.6216, 0.3193, 0.3310

Tritanomaly

87.2882, 0.3052, 0.3229

Monochromacy



Original Color

87.7977, 0.3109, 0.3392

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.8579, 0.3119, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7977, 0.3109, 0.3392 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, 244, 234)` looks like.

```
.text, #text, p{  
    color:rgb(232, 244, 234)  
}
```

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, 244, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 244, 234) }
```

Border

The CSS property to change the border of an element to Yxy 87.7977, 0.3109, 0.3392 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, 244, 234) }
```

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

```
.border{ border-color:rgb(232, 244, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 244, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 244, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 244, 234);  
box-shadow:4px 4px 4px 4px rgb(232, 244,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7977, 0.3109, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 244, 234) }
```

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

```
.background{ background-color: rgb(232,  
244, 234) }
```

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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