

Converting Colors

$Yxy(86.8807, 0.3032, 0.3242)$

Have a look what the booklet for
Yxy(86.8807, 0.3032, 0.3242)
contains.

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Color

Yxy(87.1470, 0.3033, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	E7F2F6
RGB	231, 242, 246
RGB Percent	91%, 95%, 96%
CMY	0.0939, 0.0510, 0.0353
CMYK	0.06, 0.02, 0.00, 0.04
HSL	196°, 45%, 94%
HSV	196°, 6%, 96%
XYZ	81.3533, 87.1470, 99.7269
YIQ	239.1670, -7.8400, -1.0880

Conversions

Conversions Part 2

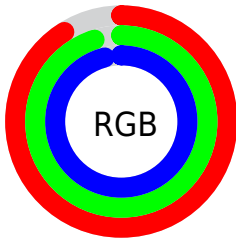
Format	Color
R _Y B	231, 237, 246
Decimal	15201014
CIE Lab	94.80, -2.86, -3.19
CIE LCh	95, 4.285, 228.189
Yxy	87.1470, 0.3033, 0.3249
Android (android.graphics.Color)	4293391094 (0xFFE7F2F6)
YUV	239.1670, 3.3687, -7.1625
Hunter-Lab	93.3526, -7.8108, 2.0084

Details

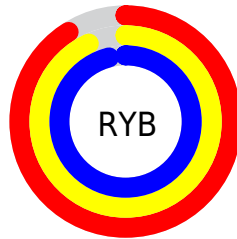
The Yxy color **87.1470, 0.3033, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.8190, 0.3226, 0.3331**, and the grayscale version is **86.4389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9495, 0.3007, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **79.4799, 0.2878, 0.3176**, and if you desaturate by 10%, it is **95.4157, 0.3183, 0.3315**.

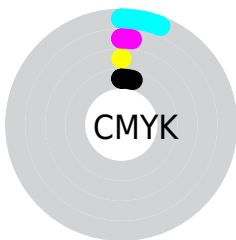
Distribution



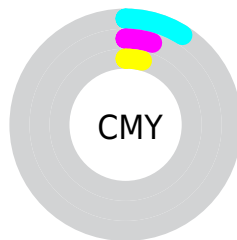
- Red (91%)
- Green (95%)
- Blue (96%)



- Red (91%)
- Yellow (93%)
- Blue (96%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1470, 0.3033, 0.3249 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 87.1470, 0.3033, 0.3249 by changing the saturation by 10% instead.

87.1470, 0.3033,
0.3249

87.1470, 0.3033,
0.3249

518.7058, 0.3075,
0.3268

65.6169, 0.3024,
0.3245

143.3690, 0.3047,
0.3255

47.9614, 0.3012,
0.3240

178.8297, 0.3053,
0.3258

33.7964, 0.2998,
0.3233

219.7026, 0.3058,
0.3260

22.7372, 0.2980,
0.3225

266.3723, 0.3062,
0.3262

14.3996, 0.2956,
0.3214

319.2231, 0.3066,
0.3264

8.3991, 0.2923,
0.3199

378.6393, 0.3069,

4.3514, 0.2874,

0.3265

0.3176

445.0054, 0.3072,
0.3266

■ 1.8720, 0.2793,
0.3137

■ 0.5315, 0.2462,
0.3005

■ 87.1470, 0.3033,
0.3249

■ 87.1470, 0.3033,
0.3249

■ 79.4799, 0.2878,
0.3176

■ 95.4157, 0.3183,
0.3315

■ 72.5010, 0.2727,
0.3096

■ 99.4343, 0.3179,
0.3376

■ 66.1870, 0.2581,
0.3010

■ 60.5088, 0.2444,
0.2917

■ 55.4349, 0.2321,
0.2820

■ 50.9303, 0.2214,
0.2720

■ 46.9559, 0.2126,
0.2619

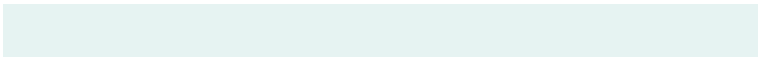
■ 43.4660, 0.2058,
0.2517

■ 40.4043, 0.2009,
0.2416

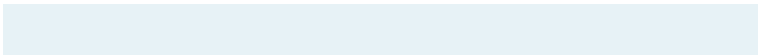
Harmonies

Analogous

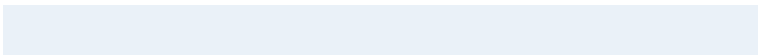
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1470, 0.3049, 0.3291



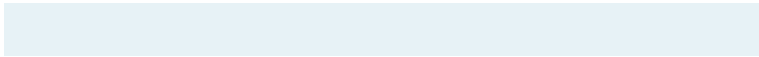
87.1470, 0.3033, 0.3249



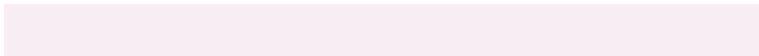
87.1470, 0.3042, 0.3218

Triad

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



87.1470, 0.3033, 0.3249



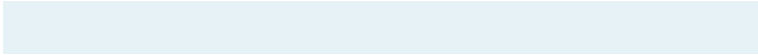
87.1470, 0.3168, 0.3247



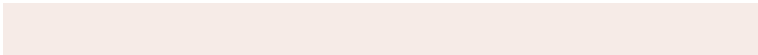
87.1470, 0.3181, 0.3375

Complementary

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



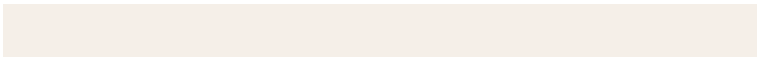
87.1470, 0.3033, 0.3249



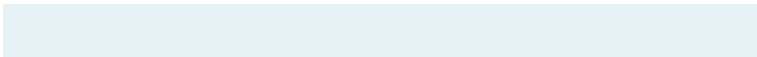
84.8190, 0.3226, 0.3331

Split Complementary

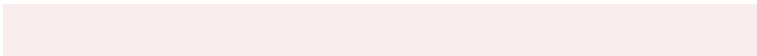
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1470, 0.3213, 0.3362



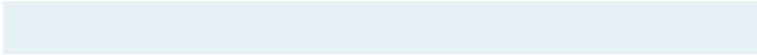
87.1470, 0.3033, 0.3249



87.1470, 0.3206, 0.3288

Square

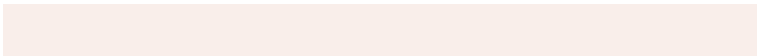
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



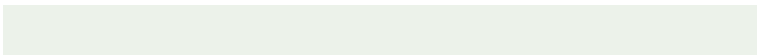
87.1470, 0.3033, 0.3249



87.1470, 0.3120, 0.3217



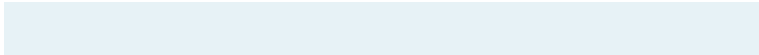
87.1470, 0.3222, 0.3330



87.1470, 0.3134, 0.3364

Rectangle

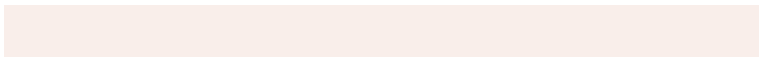
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



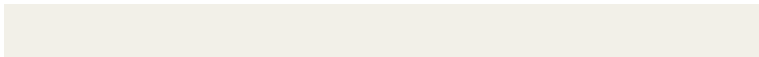
87.1470, 0.3033, 0.3249



87.1470, 0.3061, 0.3208



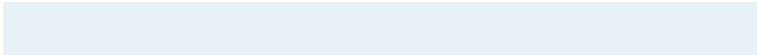
87.1470, 0.3222, 0.3330



87.1470, 0.3194, 0.3373

Sweetspot

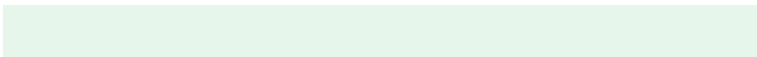
The Sweet Spot groups the original color and five complimentary colors.



87.1507, 0.3033, 0.3249



98.1752, 0.3096, 0.3277



88.9133, 0.3096, 0.3402



21.0327, 0.3098, 0.3277



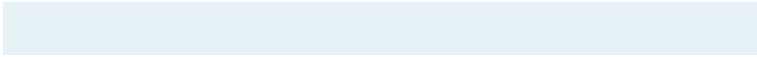
0.0000, 0.0000, 0.0000



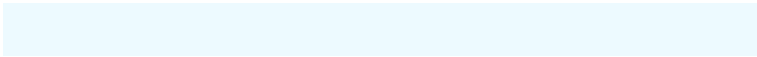
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1507, 0.3033, 0.3249



93.7515, 0.3019, 0.3243



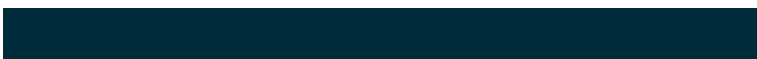
82.8036, 0.3034, 0.3173



18.2779, 0.3010, 0.3238



21.2123, 0.1998, 0.2394



2.0332, 0.2033, 0.2519

Inverse Universe

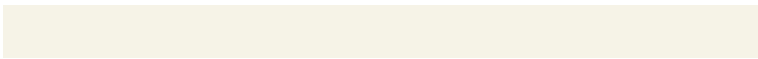
The Inverse Universe completely reimagines the original color for something new.



83.1829, 0.3160, 0.3181



88.8305, 0.3165, 0.3164



89.1788, 0.3220, 0.3405



17.2403, 0.3168, 0.3153



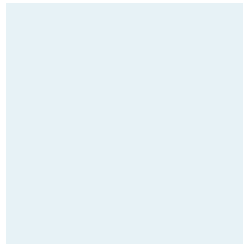
12.2408, 0.4030, 0.1993



1.0929, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 87.1470, 0.3033, 0.3249 looks on a white background.

Color Contrast Check

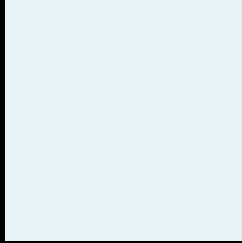
Large Text (above 18pt) WCAG AA × Fail

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 87.1470, 0.3033, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

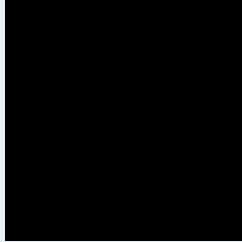
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

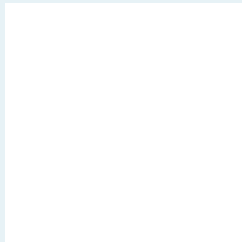
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1470, 0.3033, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 87.1470, 0.3033, 0.3249.



This preview shows how white text looks on a background with the Yxy color 87.1470, 0.3033, 0.3249.

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

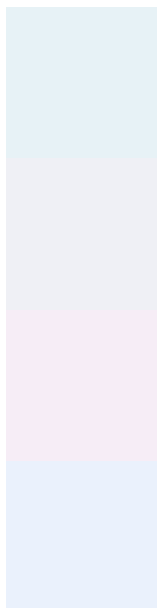




Tritanopia

87.2023, 0.3006, 0.3140

Trichromacy



Original Color

87.1470, 0.3033, 0.3249

Protanomaly

87.2635, 0.3090, 0.3240

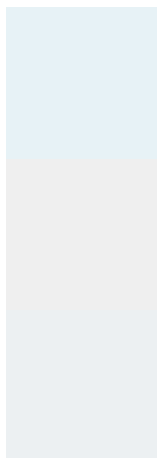
Deuteranomaly

86.8150, 0.3131, 0.3201

Tritanomaly

87.4313, 0.3017, 0.3179

Monochromacy



Original Color

87.1470, 0.3033, 0.3249

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5638, 0.3089, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1470, 0.3033, 0.3249 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(231, 242, 246)` looks like.

```
.text, #text, p{  
    color:rgb(231, 242, 246)  
}
```

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(231, 242, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 242, 246) }
```

Border

The CSS property to change the border of an element to Yxy 87.1470, 0.3033, 0.3249 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(231, 242, 246) }
```

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

```
.border{ border-color:rgb(231, 242, 246) }
```

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

Here you see how a box with a 4 pixel rgb(231, 242, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 242, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 242, 246);  
box-shadow:4px 4px 4px 4px rgb(231, 242,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1470, 0.3033, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 242, 246) }
```

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

```
.background{ background-color: rgb(231,  
242, 246) }
```

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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