

Converting Colors

Yxy(86.9547, 0.3047, 0.3263)

Have a look what the booklet for
Yxy(86.9547, 0.3047, 0.3263)
contains.

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Color

Yxy(87.1917, 0.3051, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	E8F2F4
RGB	232, 242, 244
RGB Percent	91%, 95%, 96%
CMY	0.0902, 0.0509, 0.0433
CMYK	0.05, 0.01, 0.00, 0.04
HSL	190°, 35%, 93%
HSV	190°, 5%, 96%
XYZ	81.3523, 87.1917, 98.0973
YIQ	239.2380, -6.6020, -1.4980

Conversions

Conversions Part 2

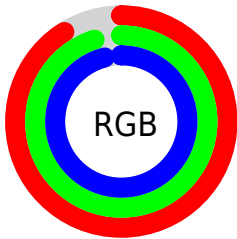
Format	Color
R _Y B	232, 237, 244
Decimal	15266548
CIE Lab	94.82, -2.94, -2.10
CIE LCh	95, 3.611, 215.500
Yxy	87.1917, 0.3051, 0.3270
Android (android.graphics.Color)	4293456628 (0xFFE8F2F4)
YUV	239.2380, 2.3477, -6.3477
Hunter-Lab	93.3765, -7.8946, 3.0760

Details

The Yxy color **87.1917, 0.3051, 0.3270** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8623, 0.3207, 0.3310**, and the grayscale version is **86.4963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9788, 0.3030, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **81.0546, 0.2898, 0.3226**, and if you desaturate by 10%, it is **93.6903, 0.3198, 0.3310**.

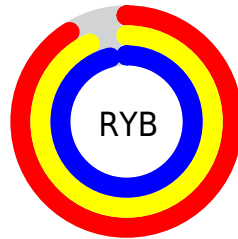
Distribution



Red (91%)

Green (95%)

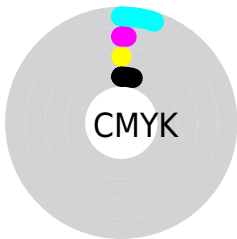
Blue (96%)



Red (91%)

Yellow (93%)

Blue (96%)

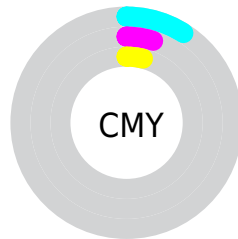


Cyan (5%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (9%)


Magenta (5%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1917, 0.3051, 0.3270 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 87.1917, 0.3051, 0.3270 by changing the saturation by 10% instead.


 87.1917, 0.3051,
0.3270

 87.1917, 0.3051,
0.3270


518.8526, 0.3085,
0.3279

 65.6539, 0.3043,
0.3268


143.4313, 0.3063,
0.3273

 47.9915, 0.3034,
0.3265


178.9019, 0.3067,
0.3274

 33.8201, 0.3023,
0.3262

219.7854, 0.3071,
0.3275

 22.7555, 0.3008,
0.3258

266.4665, 0.3075,
0.3276

 14.4130, 0.2989,
0.3253

319.3293, 0.3078,
0.3277

 8.4085, 0.2962,
0.3245

378.7583, 0.3080,

 4.3574, 0.2922,

0.3278

0.3233

445.1379, 0.3083,
0.3279

■ 1.8754, 0.2856,
0.3214

■ 0.5336, 0.2566,
0.3145

■ 87.1917, 0.3051,
0.3270

■ 87.1917, 0.3051,
0.3270

■ 81.0546, 0.2898,
0.3226

■ 93.6903, 0.3198,
0.3310

■ 75.5082, 0.2751,
0.3179

■ 96.1310, 0.3195,
0.3348

■ 70.5311, 0.2612,
0.3128

■ 98.6237, 0.3192,
0.3386

■ 66.0964, 0.2486,
0.3074

■ 99.3093, 0.3191,
0.3396

■ 62.1744, 0.2374,
0.3017

■ 58.7328, 0.2280,
0.2959

■ 55.7348, 0.2204,
0.2900

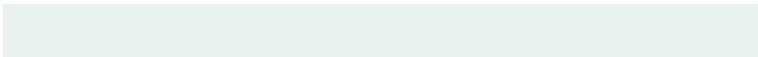
■ 53.1380, 0.2149,
0.2841

■ 50.8901, 0.2112,
0.2783

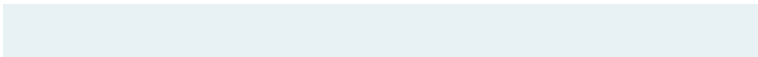
Harmonies

Analogous

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



87.1917, 0.3073, 0.3307



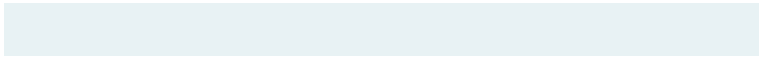
87.1917, 0.3051, 0.3270



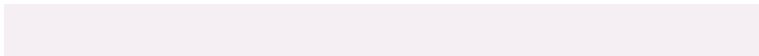
87.1917, 0.3050, 0.3239

Triad

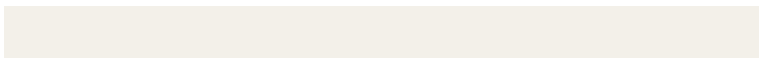
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1917, 0.3051, 0.3270



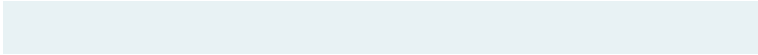
87.1917, 0.3145, 0.3242



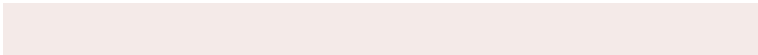
87.1917, 0.3186, 0.3359

Complementary

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



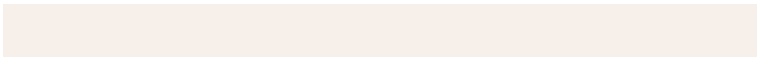
87.1917, 0.3051, 0.3270



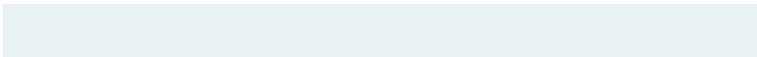
83.8623, 0.3207, 0.3310

Split Complementary

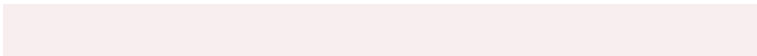
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1917, 0.3206, 0.3341



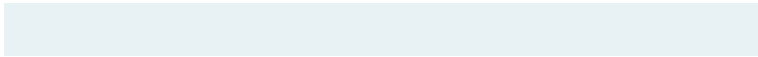
87.1917, 0.3051, 0.3270



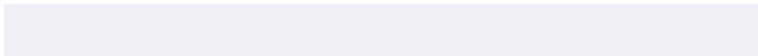
87.1917, 0.3182, 0.3273

Square

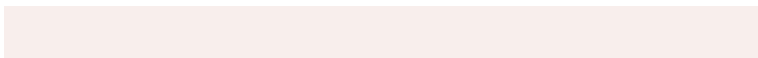
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



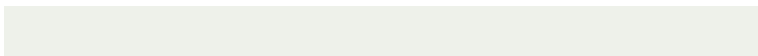
87.1917, 0.3051, 0.3270



87.1917, 0.3104, 0.3223



87.1917, 0.3204, 0.3310



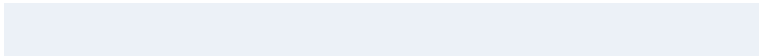
87.1917, 0.3150, 0.3359

Rectangle

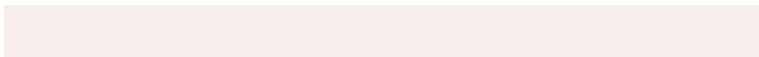
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



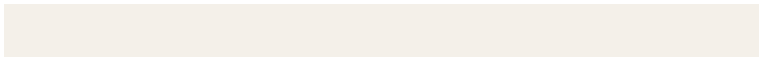
87.1917, 0.3051, 0.3270



87.1917, 0.3060, 0.3225



87.1917, 0.3204, 0.3310



87.1917, 0.3195, 0.3355

Sweetspot

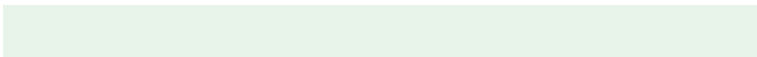
The Sweet Spot groups the original color and five complimentary colors.



87.1954, 0.3051, 0.3270



99.2551, 0.3112, 0.3286



87.7602, 0.3111, 0.3394



21.2525, 0.3112, 0.3286



0.0000, 0.0000, 0.0000



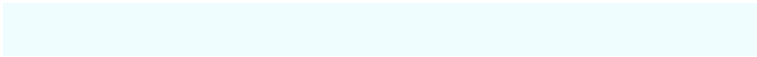
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1954, 0.3051, 0.3270



95.6346, 0.3034, 0.3265



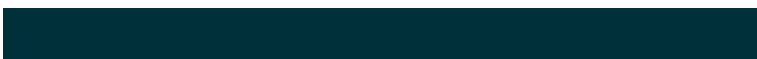
83.7781, 0.3052, 0.3210



18.6574, 0.3024, 0.3263



27.2811, 0.2101, 0.2763



2.5177, 0.2121, 0.2836

Inverse Universe

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



83.3455, 0.3145, 0.3190



90.4644, 0.3149, 0.3167



87.2372, 0.3203, 0.3368



17.5442, 0.3152, 0.3154



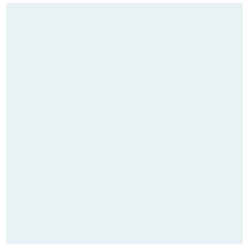
12.8534, 0.3669, 0.1795



1.1418, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 87.1917, 0.3051, 0.3270 looks on a white background.

Color Contrast Check

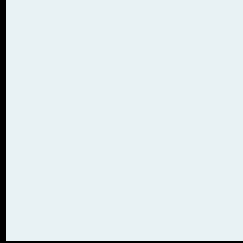
Large Text (above 18pt) WCAG AA × Fail

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 87.1917, 0.3051, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

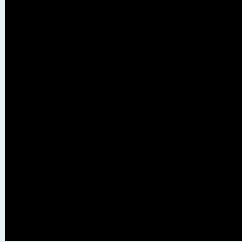
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

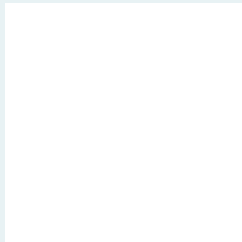
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1917, 0.3051, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 87.1917, 0.3051, 0.3270.

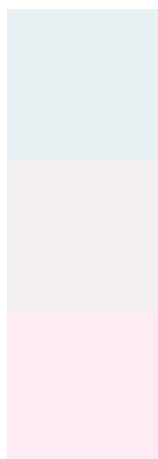


This preview shows how white text looks on a background with the Yxy color 87.1917, 0.3051, 0.3270.

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

87.1917, 0.3051, 0.3270

Protanopia

87.1985, 0.3135, 0.3260

Deuteranopia

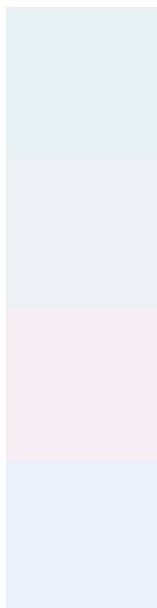
87.2083, 0.3205, 0.3203



Tritanopia

87.3730, 0.3012, 0.3140

Trichromacy



Original Color

87.1917, 0.3051, 0.3270

Protanomaly

87.1420, 0.3102, 0.3260

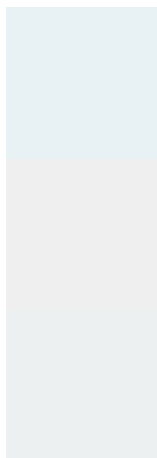
Deuteranomaly

87.4549, 0.3150, 0.3231

Tritanomaly

87.5378, 0.3029, 0.3190

Monochromacy



Original Color

87.1917, 0.3051, 0.3270

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5039, 0.3095, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1917, 0.3051, 0.3270 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, 242, 244)` looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 244)  
}
```

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, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 244) }
```

Border

The CSS property to change the border of an element to Yxy 87.1917, 0.3051, 0.3270 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, 242, 244) }
```

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

```
.border{ border-color:rgb(232, 242, 244) }
```

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

Here you see how a box with a 4 pixel rgb(232, 242, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1917, 0.3051, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 244) }
```

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

```
.background{ background-color: rgb(232,  
242, 244) }
```

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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