

Converting Colors

$Yxy(87.2985, 0.3085, 0.3272)$

Have a look what the booklet for
Yxy(87.2985, 0.3085, 0.3272)
contains.

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Color

Yxy(87.2145, 0.3083, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	ECF1F3
RGB	236, 241, 243
RGB Percent	93%, 95%, 95%
CMY	0.0744, 0.0549, 0.0472
CMYK	0.03, 0.01, 0.00, 0.05
HSL	197°, 22%, 94%
HSV	197°, 3%, 95%
XYZ	82.2270, 87.2145, 97.2695
YIQ	239.7330, -3.6220, -0.4380

Conversions

Conversions Part 2

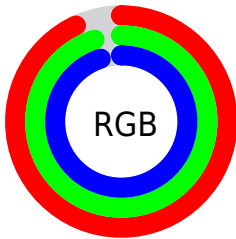
Format	Color
R _Y B	236, 239, 243
Decimal	15528435
CIE Lab	94.83, -1.29, -1.54
CIE LCh	95, 2.003, 230.050
Yxy	87.2145, 0.3083, 0.3270
Android (android.graphics.Color)	4293718515 (0xFFECEF1F3)
YUV	239.7330, 1.6106, -3.2738
Hunter-Lab	93.3887, -6.2643, 3.6183

Details

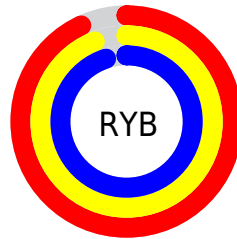
The Yxy color **87.2145, 0.3083, 0.3270** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.2523, 0.3172, 0.3310**, and the grayscale version is **86.9109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9891, 0.3070, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **79.3376, 0.2928, 0.3195**, and if you desaturate by 10%, it is **94.7953, 0.3202, 0.3338**.

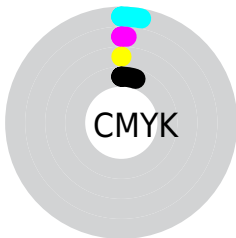
Distribution



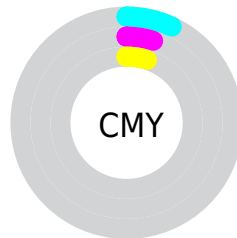
- Red (93%)
- Green (95%)
- Blue (95%)



- Red (93%)
- Yellow (94%)
- Blue (95%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2145, 0.3083, 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 87.2145, 0.3083, 0.3270 by changing the saturation by 10% instead.

 87.2145, 0.3083,
0.3270

 87.2145, 0.3083,
0.3270


518.9275, 0.3103,
0.3279

 65.6727, 0.3079,
0.3268

143.4631, 0.3090,
0.3273

 48.0068, 0.3073,
0.3266


178.9387, 0.3092,
0.3274

 33.8323, 0.3067,
0.3262


219.8277, 0.3095,
0.3275

 22.7648, 0.3058,
0.3258

266.5145, 0.3097,
0.3276

 14.4199, 0.3047,
0.3253

319.3834, 0.3099,
0.3277

 8.4133, 0.3031,
0.3246

378.8190, 0.3100,

 4.3605, 0.3008,

0.3278

0.3235

445.2055, 0.3102,
0.3279

■ 1.8772, 0.2969,
0.3216

■ 0.5346, 0.2803,
0.3143

■ 87.2145, 0.3083,
0.3270

■ 87.2145, 0.3083,
0.3270

■ 79.3376, 0.2928,
0.3195

■ 94.7953, 0.3202,
0.3338

■ 72.1525, 0.2775,
0.3113

■ 99.1053, 0.3197,
0.3403

■ 65.6370, 0.2625,
0.3024

■ 99.2493, 0.3197,
0.3405

■ 59.7633, 0.2484,
0.2928

■ 54.5013, 0.2354,
0.2827

■ 49.8181, 0.2240,
0.2722

■ 45.6769, 0.2143,
0.2614

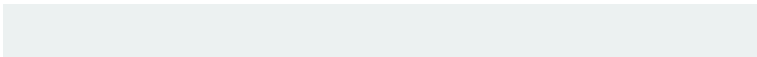
■ 42.0354, 0.2066,
0.2506

■ 38.8428, 0.2009,
0.2399

Harmonies

Analogous

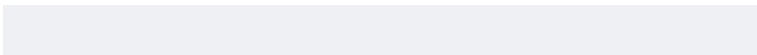
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2145, 0.3090, 0.3290



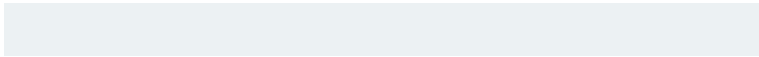
87.2145, 0.3083, 0.3270



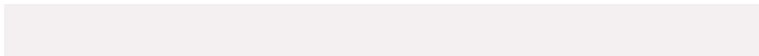
87.2145, 0.3088, 0.3256

Triad

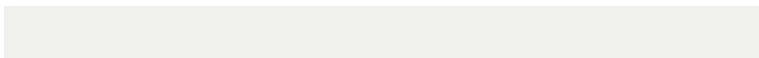
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2145, 0.3083, 0.3270



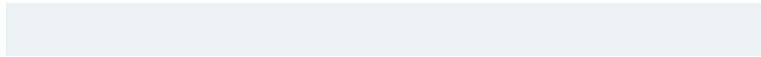
87.2145, 0.3148, 0.3271



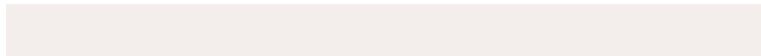
87.2145, 0.3151, 0.3330

Complementary

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



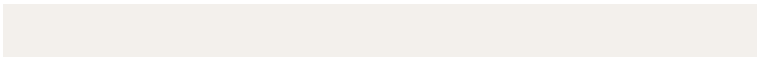
87.2145, 0.3083, 0.3270



86.2523, 0.3172, 0.3310

Split Complementary

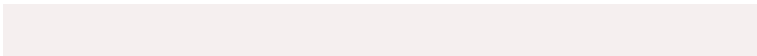
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2145, 0.3167, 0.3324



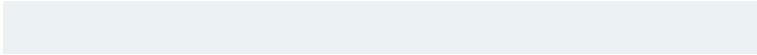
87.2145, 0.3083, 0.3270



87.2145, 0.3165, 0.3291

Square

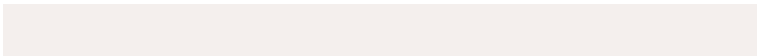
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



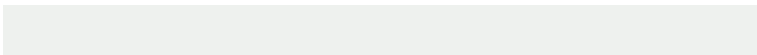
87.2145, 0.3083, 0.3270



87.2145, 0.3125, 0.3257



87.2145, 0.3172, 0.3310



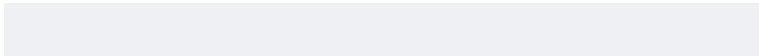
87.2145, 0.3129, 0.3324

Rectangle

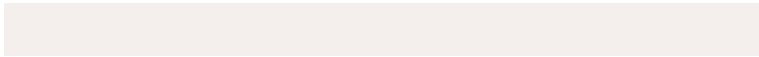
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.2145, 0.3083, 0.3270



87.2145, 0.3097, 0.3252



87.2145, 0.3172, 0.3310



87.2145, 0.3157, 0.3329

Sweetspot

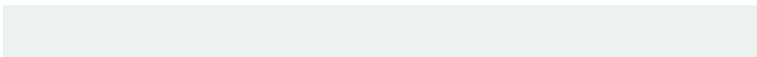
The Sweet Spot groups the original color and five complimentary colors.



87.2182, 0.3083, 0.3270



99.0593, 0.3112, 0.3283



88.0933, 0.3112, 0.3340



21.2127, 0.3112, 0.3283



0.0000, 0.0000, 0.0000



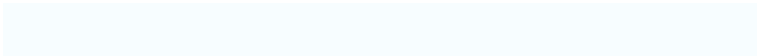
21.4041, 0.3127, 0.3290

Same Dimension

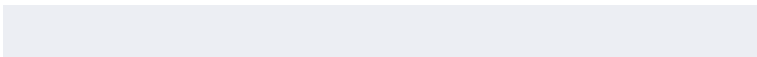
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2182, 0.3083, 0.3270



97.2023, 0.3081, 0.3269



85.1821, 0.3084, 0.3235



18.9098, 0.3068, 0.3263



20.4343, 0.1983, 0.2340



1.9700, 0.2020, 0.2473

Inverse Universe

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



85.4058, 0.3143, 0.3240



95.0769, 0.3143, 0.3238



88.2936, 0.3170, 0.3345



18.3880, 0.3148, 0.3224



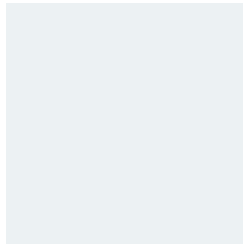
12.1622, 0.4085, 0.2024



1.0865, 0.3949, 0.1949

Previews

White Background



This preview shows how the Yxy color 87.2145, 0.3083, 0.3270 looks on a white background.

Color Contrast Check

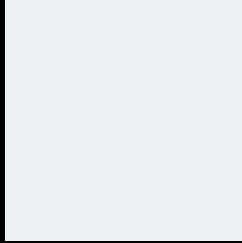
Large Text (above 18pt) WCAG AA × Fail

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 87.2145, 0.3083, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

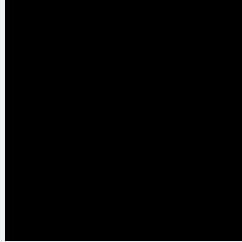
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

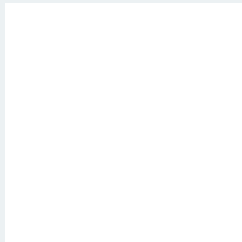
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2145, 0.3083, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 87.2145, 0.3083, 0.3270.

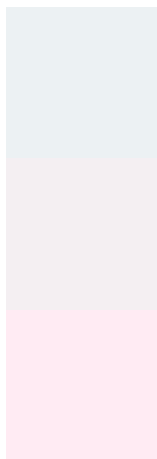


This preview shows how white text looks on a background with the Yxy color 87.2145, 0.3083, 0.3270.

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

87.2145, 0.3083, 0.3270

Protanopia

87.3769, 0.3142, 0.3260

Deuteranopia

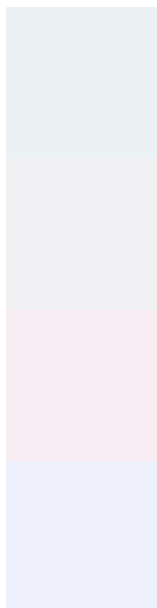
87.1477, 0.3211, 0.3212



Tritanopia

87.3037, 0.3031, 0.3131

Trichromacy



Original Color

87.2145, 0.3083, 0.3270

Protanomaly

87.4318, 0.3122, 0.3270

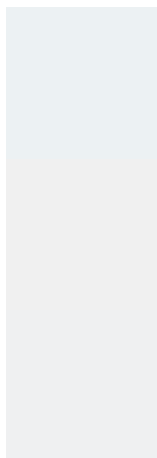
Deuteranomaly

86.9959, 0.3163, 0.3231

Tritanomaly

87.4624, 0.3048, 0.3180

Monochromacy



Original Color

87.2145, 0.3083, 0.3270

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.0218, 0.3115, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2145, 0.3083, 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(236, 241, 243)` looks like.

```
.text, #text, p{  
    color:rgb(236, 241, 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(236, 241, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 241, 243) }
```

Border

The CSS property to change the border of an element to Yxy 87.2145, 0.3083, 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(236, 241, 243) }
```

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

```
.border{ border-color:rgb(236, 241, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 241, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 241, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 241, 243);  
box-shadow:4px 4px 4px 4px rgb(236, 241,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2145, 0.3083, 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(236, 241, 243) }
```

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

```
.background{ background-color: rgb(236,  
241, 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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