

Converting Colors

$Yxy(87.7424, 0.3115, 0.3305)$

Have a look what the booklet for
Yxy(87.7424, 0.3115, 0.3305)
contains.

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Color

Yxy(87.9727, 0.3113, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	EEF2F0
RGB	238, 242, 240
RGB Percent	93%, 95%, 94%
CMY	0.0667, 0.0509, 0.0588
CMYK	0.02, 0.00, 0.01, 0.05
HSL	150°, 13%, 94%
HSV	150°, 2%, 95%
XYZ	82.7369, 87.9727, 95.0690
YIQ	240.5760, -1.7420, -1.4700

Conversions

Conversions Part 2

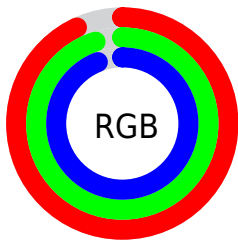
Format	Color
R _Y B	238, 241, 242
Decimal	15659760
CIE Lab	95.15, -1.68, 0.48
CIE LCh	95, 1.751, 164.082
Yxy	87.9727, 0.3113, 0.3310
Android (android.graphics.Color)	4293849840 (0xFFEEF2F0)
YUV	240.5760, -0.2840, -2.2592
Hunter-Lab	93.7938, -6.6816, 5.5595

Details

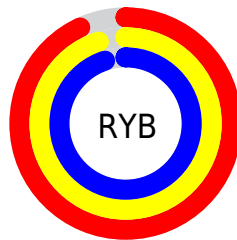
The Yxy color **87.9727, 0.3113, 0.3310** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.3071, 0.3142, 0.3270**, and the grayscale version is **87.6168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5236, 0.3109, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **83.3770, 0.3029, 0.3439**, and if you desaturate by 10%, it is **91.7983, 0.3151, 0.3194**.

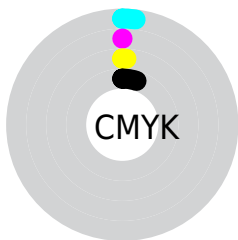
Distribution



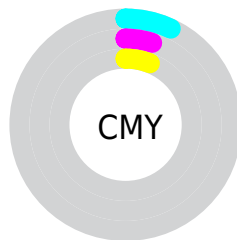
- Red (93%)
- Green (95%)
- Blue (94%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9727, 0.3113, 0.3310 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 87.9727, 0.3113, 0.3310 by changing the saturation by 10% instead.

87.9727, 0.3113,
0.3310

87.9727, 0.3113,
0.3310

521.4138, 0.3119,
0.3301

66.3005, 0.3112,
0.3312

144.5191, 0.3115,
0.3307

48.5163, 0.3110,
0.3314

180.1621, 0.3116,
0.3306

34.2360, 0.3108,
0.3317

221.2309, 0.3117,
0.3305

23.0749, 0.3105,
0.3321

268.1097, 0.3117,
0.3304

14.6489, 0.3101,
0.3326

321.1830, 0.3118,
0.3303

8.5733, 0.3096,
0.3333

380.8352, 0.3119,

4.4639, 0.3089,

0.3302

0.3344

447.4507, 0.3119,
0.3302

■ 1.9363, 0.3076,
0.3361

■ 0.5701, 0.3020,
0.3438

■ 87.9727, 0.3113,
0.3310

■ 87.9727, 0.3113,
0.3310

■ 83.3770, 0.3029,
0.3439

■ 91.7983, 0.3151,
0.3194

■ 79.3643, 0.2947,
0.3582

■ 91.9903, 0.3133,
0.3166

■ 75.9138, 0.2871,
0.3741

■ 72.9989, 0.2803,
0.3913

■ 70.5909, 0.2747,
0.4097

■ 68.6583, 0.2707,
0.4289

■ 67.1660, 0.2684,
0.4486

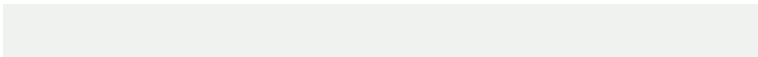
■ 66.0735, 0.2682,
0.4681

■ 65.3325, 0.2700,
0.4870

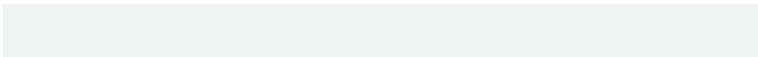
Harmonies

Analogous

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



87.9727, 0.3133, 0.3321



87.9727, 0.3113, 0.3310



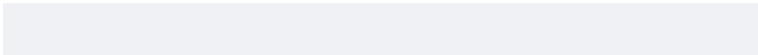
87.9727, 0.3097, 0.3293

Triad

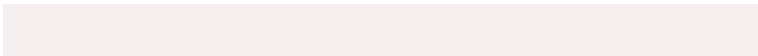
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9727, 0.3113, 0.3310



87.9727, 0.3103, 0.3256



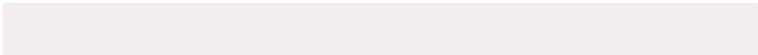
87.9727, 0.3166, 0.3305

Complementary

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



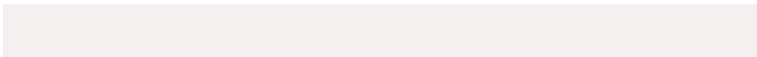
87.9727, 0.3113, 0.3310



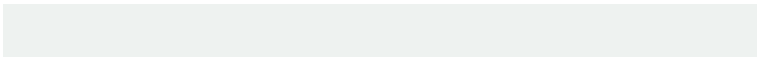
86.3071, 0.3142, 0.3270

Split Complementary

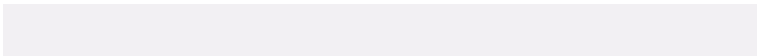
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9727, 0.3158, 0.3287



87.9727, 0.3113, 0.3310



87.9727, 0.3122, 0.3259

Square

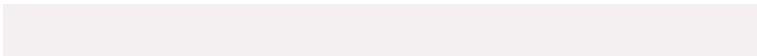
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



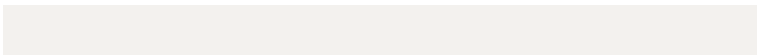
87.9727, 0.3113, 0.3310



87.9727, 0.3091, 0.3262



87.9727, 0.3141, 0.3271



87.9727, 0.3163, 0.3318

Rectangle

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



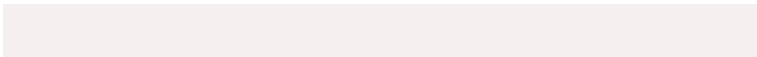
87.9727, 0.3113, 0.3310



87.9727, 0.3091, 0.3281



87.9727, 0.3141, 0.3271



87.9727, 0.3164, 0.3299

Sweetspot

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



87.9765, 0.3113, 0.3310

100.0000, 0.3127, 0.3290



88.2068, 0.3138, 0.3331



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



87.9765, 0.3113, 0.3310



98.8840, 0.3110, 0.3314



88.0957, 0.3101, 0.3290



18.5341, 0.3111, 0.3313



34.9005, 0.2719, 0.4990



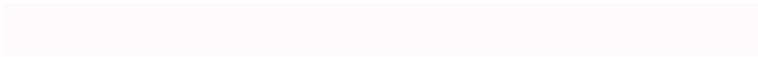
2.9235, 0.2653, 0.4751

Inverse Universe

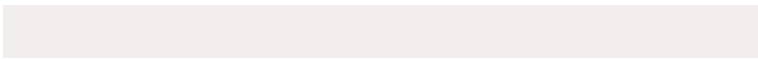
The Inverse Universe completely reimagines the original color for something new.



86.3071, 0.3142, 0.3270



96.6243, 0.3145, 0.3266



86.1892, 0.3154, 0.3290



18.1340, 0.3144, 0.3267



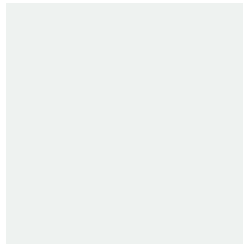
10.8942, 0.4980, 0.2517



0.9264, 0.4684, 0.2354

Previews

White Background



This preview shows how the Yxy color 87.9727, 0.3113, 0.3310 looks on a white background.

Color Contrast Check

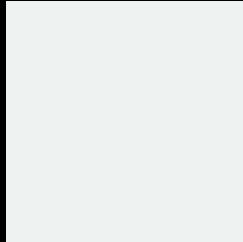
Large Text (above 18pt) WCAG AA × Fail

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 87.9727, 0.3113, 0.3310 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

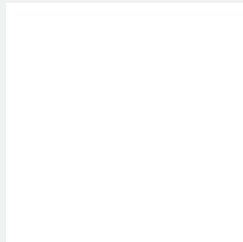
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9727, 0.3113, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 87.9727, 0.3113, 0.3310.

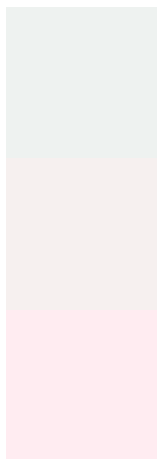


This preview shows how white text looks on a background with the Yxy color 87.9727, 0.3113, 0.3310.

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

87.9727, 0.3113, 0.3310

Protanopia

88.1450, 0.3173, 0.3300

Deuteranopia

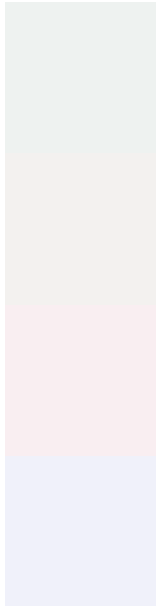
87.6018, 0.3223, 0.3241



Tritanopia

88.2409, 0.3044, 0.3142

Trichromacy



Original Color

87.9727, 0.3113, 0.3310

Protanomaly

88.1973, 0.3152, 0.3310

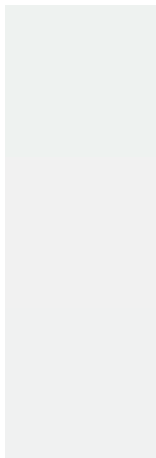
Deuteranomaly

87.6397, 0.3182, 0.3261

Tritanomaly

88.3380, 0.3067, 0.3200

Monochromacy



Original Color

87.9727, 0.3113, 0.3310

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.7867, 0.3121, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9727, 0.3113, 0.3310 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, 242, 240)` looks like.

```
.text, #text, p{  
    color:rgb(238, 242, 240)  
}
```

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, 242, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 242, 240) }
```

Border

The CSS property to change the border of an element to Yxy 87.9727, 0.3113, 0.3310 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, 242, 240) }
```

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

```
.border{ border-color:rgb(238, 242, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 242, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 242, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 242, 240);  
box-shadow:4px 4px 4px 4px rgb(238, 242,  
240) }
```

Background

The CSS property to change the background color of an element to Yxy 87.9727, 0.3113, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 242, 240) }
```

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

```
.background{ background-color: rgb(238,  
242, 240) }
```

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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