

Converting Colors

$Yxy(88.0722, 0.3091, 0.3294)$

Have a look what the booklet for
Yxy(88.0722, 0.3091, 0.3294)
contains.

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Color

Yxy(87.7479, 0.3088, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	ECF2F2
RGB	236, 242, 242
RGB Percent	93%, 95%, 95%
CMY	0.0747, 0.0509, 0.0510
CMYK	0.03, 0.00, 0.00, 0.05
HSL	180°, 19%, 94%
HSV	180°, 3%, 95%
XYZ	82.3603, 87.7479, 96.6027
YIQ	240.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

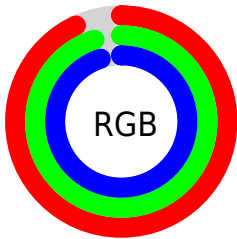
Format	Color
R _Y B	236, 239, 242
Decimal	15528690
CIE Lab	95.05, -2.00, -0.71
CIE LCh	95, 2.122, 199.426
Yxy	87.7479, 0.3088, 0.3290
Android (android.graphics.Color)	4293718770 (0xFFECEF2F2)
YUV	240.2060, 0.8844, -3.6887
Hunter-Lab	93.6738, -6.9877, 4.4279

Details

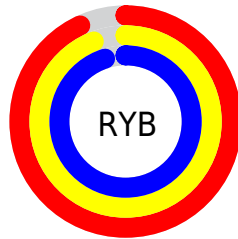
The Yxy color **87.7479, 0.3088, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.9007, 0.3168, 0.3290**, and the grayscale version is **87.3000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3663, 0.3078, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **83.8835, 0.2936, 0.3290**, and if you desaturate by 10%, it is **91.1896, 0.3212, 0.3290**.

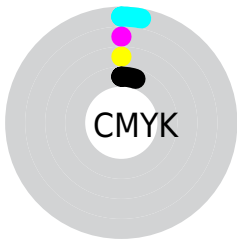
Distribution



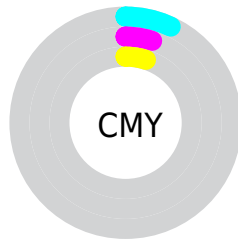
- Red (93%)
- Green (95%)
- Blue (95%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7479, 0.3088, 0.3290 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 87.7479, 0.3088, 0.3290 by changing the saturation by 10% instead.


 87.7479, 0.3088,
0.3290

 87.7479, 0.3088,
0.3290


520.6773, 0.3106,
0.3290

 66.1143, 0.3084,
0.3290


144.2061, 0.3094,
0.3290

 48.3652, 0.3079,
0.3290


179.7996, 0.3096,
0.3290

 34.1162, 0.3074,
0.3290


220.8150, 0.3098,
0.3290

 22.9829, 0.3066,
0.3290

267.6370, 0.3100,
0.3290

 14.5809, 0.3056,
0.3290

320.6498, 0.3102,
0.3290

 8.5258, 0.3042,
0.3289

380.2379, 0.3103,

 4.4332, 0.3021,

0.3290

0.3289

446.7856, 0.3104,
0.3290

■ 1.9187, 0.2988,
0.3288

■ 0.5596, 0.2839,
0.3289

■ 87.7479, 0.3088,
0.3290

■ 87.7479, 0.3088,
0.3290

■ 83.8835, 0.2936,
0.3290

■ 91.1896, 0.3212,
0.3290

■ 80.5542, 0.2794,
0.3290

■ 91.1930, 0.3212,
0.3289


■ 77.7398, 0.2664,
0.3291


■ 91.1963, 0.3211,
0.3289


■ 75.4147, 0.2550,
0.3291


■ 91.1997, 0.3211,
0.3288

 73.5508, 0.2453,
0.3292


 91.2030, 0.3211,
0.3288


 72.1174, 0.2375,
0.3292


 91.2064, 0.3210,
0.3287


 71.0800, 0.2317,
0.3293

 91.2098, 0.3210,
0.3287

 70.3989, 0.2278,
0.3293

 91.2131, 0.3210,
0.3286

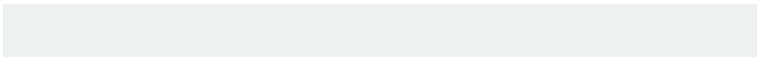
 70.0261, 0.2256,
0.3294

 91.2165, 0.3209,
0.3286

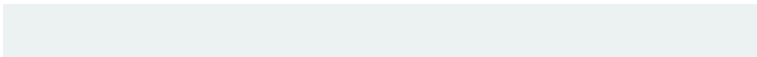
Harmonies

Analogous

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



87.7479, 0.3106, 0.3311



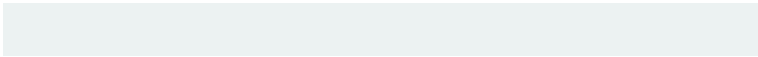
87.7479, 0.3088, 0.3290



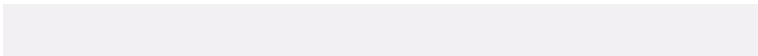
87.7479, 0.3081, 0.3269

Triad

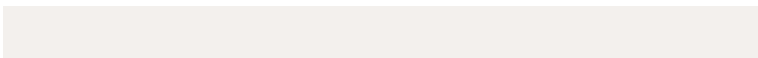
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7479, 0.3088, 0.3290



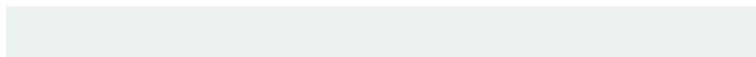
87.7479, 0.3125, 0.3255



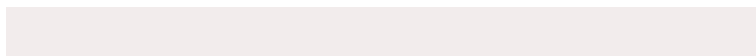
87.7479, 0.3169, 0.3326

Complementary

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



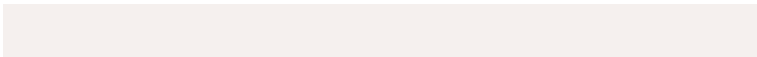
87.7479, 0.3088, 0.3290



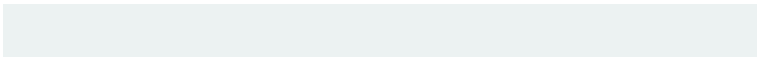
84.9007, 0.3168, 0.3290

Split Complementary

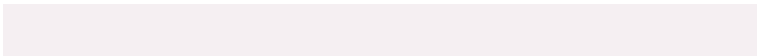
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7479, 0.3174, 0.3311



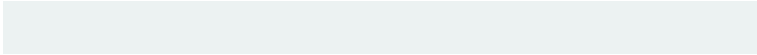
87.7479, 0.3088, 0.3290



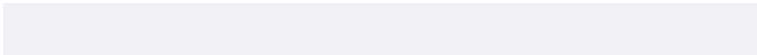
87.7479, 0.3148, 0.3270

Square

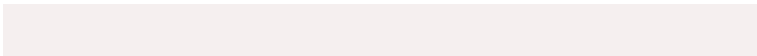
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7479, 0.3088, 0.3290



87.7479, 0.3102, 0.3249



87.7479, 0.3167, 0.3290



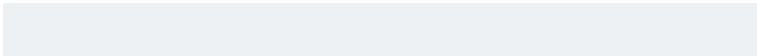
87.7479, 0.3153, 0.3332

Rectangle

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



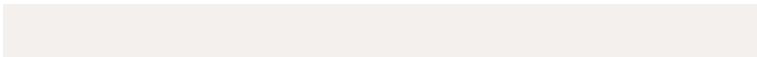
87.7479, 0.3088, 0.3290



87.7479, 0.3082, 0.3258



87.7479, 0.3167, 0.3290



87.7479, 0.3172, 0.3322

Sweetspot

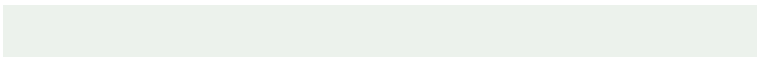
The Sweet Spot groups the original color and five complimentary colors.



87.7516, 0.3088, 0.3290



99.5192, 0.3111, 0.3290



87.4115, 0.3125, 0.3351



21.3063, 0.3112, 0.3290



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.



87.7516, 0.3088, 0.3290



98.5767, 0.3080, 0.3290



86.0221, 0.3089, 0.3260



18.3977, 0.3068, 0.3290



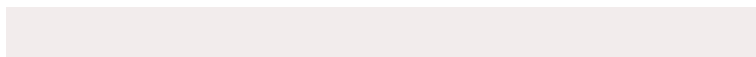
37.5413, 0.2249, 0.3294



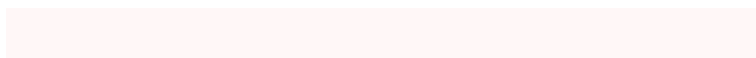
3.1233, 0.2248, 0.3293

Inverse Universe

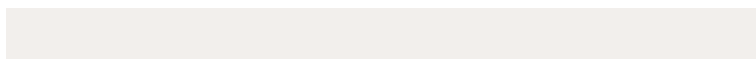
The Inverse Universe completely reimagines the original color for something new.



84.9007, 0.3168, 0.3290



94.7339, 0.3176, 0.3290



86.6005, 0.3166, 0.3320



17.4959, 0.3189, 0.3290



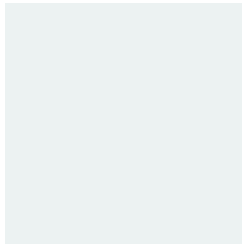
10.1419, 0.6398, 0.3298



0.8439, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 87.7479, 0.3088, 0.3290 looks on a white background.

Color Contrast Check

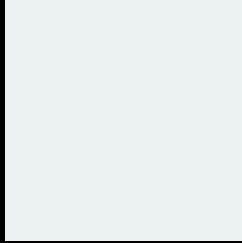
Large Text (above 18pt) WCAG AA × Fail

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 87.7479, 0.3088, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

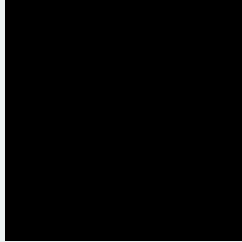
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

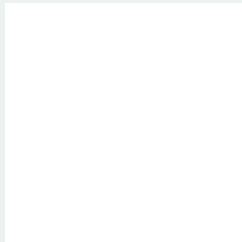
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7479, 0.3088, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 87.7479, 0.3088, 0.3290.

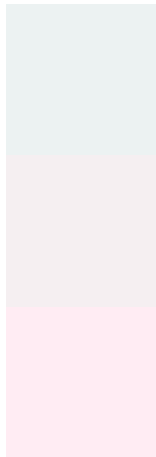


This preview shows how white text looks on a background with the Yxy color 87.7479, 0.3088, 0.3290.

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

87.7479, 0.3088, 0.3290

Protanopia

87.4964, 0.3154, 0.3270

Deuteranopia

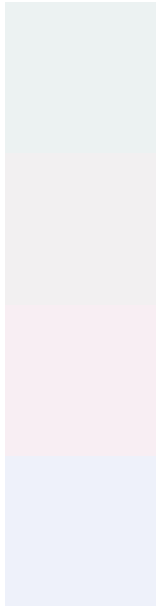
87.7220, 0.3211, 0.3222



Tritanopia

87.8909, 0.3031, 0.3141

Trichromacy



Original Color

87.7479, 0.3088, 0.3290

Protanomaly

87.5483, 0.3134, 0.3280

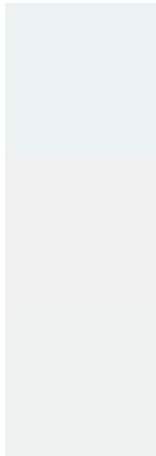
Deuteranomaly

87.5766, 0.3163, 0.3241

Tritanomaly

87.9899, 0.3054, 0.3200

Monochromacy



Original Color

87.7479, 0.3088, 0.3290

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.6122, 0.3114, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7479, 0.3088, 0.3290 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, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(236, 242, 242)  
}
```

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, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 242, 242) }
```

Border

The CSS property to change the border of an element to Yxy 87.7479, 0.3088, 0.3290 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, 242, 242) }
```

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

```
.border{ border-color:rgb(236, 242, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 242, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 242, 242); box-shadow:4px 4px 4px 4px rgb(236, 242, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7479, 0.3088, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 242, 242) }
```

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

```
.background{ background-color: rgb(236,  
242, 242) }
```

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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