

Converting Colors

$Y_{xy}(89.7303, 0.3070, 0.3290)$

Have a look what the booklet for
Yxy(89.7303, 0.3070, 0.3290)
contains.

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Color

Yxy(89.7303, 0.3070, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	ECF5F5
RGB	236, 245, 245
RGB Percent	93%, 96%, 96%
CMY	0.0744, 0.0392, 0.0393
CMYK	0.04, 0.00, 0.00, 0.04
HSL	180°, 31%, 94%
HSV	180°, 4%, 96%
XYZ	83.7301, 89.7303, 99.2761
YIQ	242.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

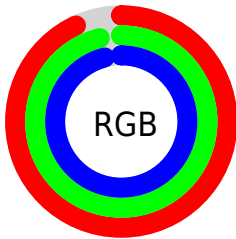
Format	Color
R _Y B	236, 241, 245
Decimal	15529461
CIE Lab	95.88, -2.95, -1.03
CIE LCh	96, 3.126, 199.262
Yxy	89.7303, 0.3070, 0.3290
Android (android.graphics.Color)	4293719541 (0xFFECEF5F5)
YUV	242.3090, 1.3267, -5.5330
Hunter-Lab	94.7261, -7.9913, 4.1704

Details

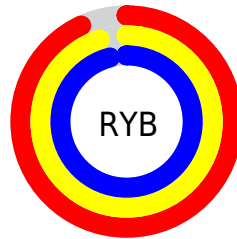
The Yxy color **89.7303, 0.3070, 0.3290** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4791, 0.3187, 0.3290**, and the grayscale version is **89.0478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7726, 0.3054, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **85.8202, 0.2919, 0.3290**, and if you desaturate by 10%, it is **93.1595, 0.3192, 0.3290**.

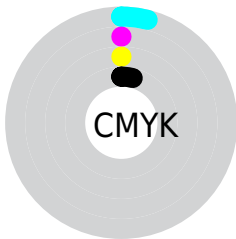
Distribution



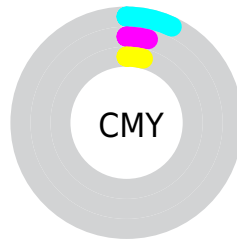
- Red (93%)
- Green (96%)
- Blue (96%)



- Red (93%)
- Yellow (95%)
- Blue (96%)



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




- Cyan (7%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7303, 0.3070, 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 89.7303, 0.3070, 0.3290 by changing the saturation by 10% instead.


 89.7303, 0.3070,
0.3290

 89.7303, 0.3070,
0.3290


527.1531, 0.3095,
0.3290

 67.7570, 0.3064,
0.3290


146.9637, 0.3079,
0.3290

 49.7001, 0.3058,
0.3290


182.9926, 0.3082,
0.3290

 35.1751, 0.3049,
0.3290

224.4754, 0.3085,
0.3290

 23.7978, 0.3038,
0.3290

271.7967, 0.3088,
0.3290

 15.1837, 0.3024,
0.3289

325.3407, 0.3090,
0.3290

 8.9484, 0.3004,
0.3289

385.4918, 0.3092,

 4.7075, 0.2975,

0.3290

0.3289

452.6345, 0.3094,
0.3290

■ 2.0767, 0.2928,
0.3288

■ 0.6515, 0.2763,
0.3290

■ 89.7303, 0.3070,
0.3290

■ 89.7303, 0.3070,
0.3290

■ 85.8202, 0.2919,
0.3290

■ 93.1595, 0.3192,
0.3290

■ 82.4583, 0.2778,
0.3290

■ 93.1627, 0.3191,
0.3289

■ 79.6235, 0.2650,
0.3291

■ 93.1660, 0.3191,
0.3289

■ 77.2891, 0.2537,
0.3291


■ 93.1692, 0.3191,
0.3288


 75.4261, 0.2442,
0.3291

 93.1724, 0.3190,
0.3288


 74.0022, 0.2367,
0.3292


 93.1757, 0.3190,
0.3287


 72.9815, 0.2311,
0.3292

 93.1789, 0.3190,
0.3287

 72.3222, 0.2274,
0.3293

 93.1821, 0.3189,
0.3286

 71.9733, 0.2254,
0.3294

 93.1854, 0.3189,
0.3286

Harmonies

Analogous

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



89.7303, 0.3096, 0.3321



89.7303, 0.3070, 0.3290



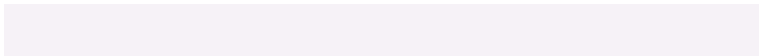
89.7303, 0.3059, 0.3260

Triad

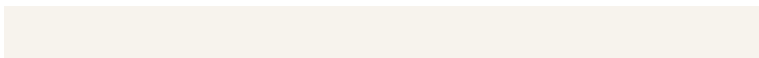
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7303, 0.3070, 0.3290



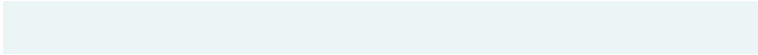
89.7303, 0.3123, 0.3238



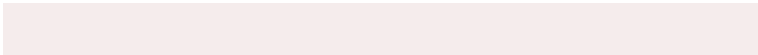
89.7303, 0.3189, 0.3343

Complementary

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



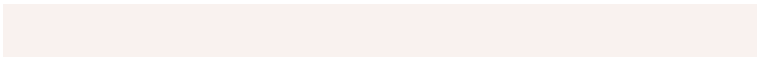
89.7303, 0.3070, 0.3290



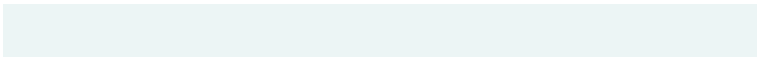
85.4791, 0.3187, 0.3290

Split Complementary

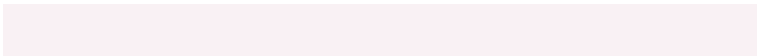
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7303, 0.3196, 0.3320



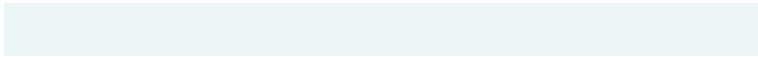
89.7303, 0.3070, 0.3290



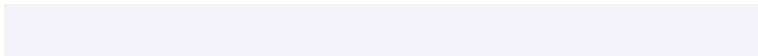
89.7303, 0.3158, 0.3260

Square

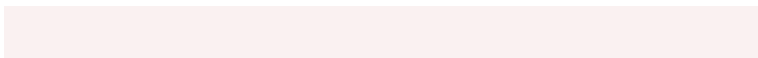
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.7303, 0.3070, 0.3290



89.7303, 0.3090, 0.3230



89.7303, 0.3185, 0.3290



89.7303, 0.3165, 0.3351

Rectangle

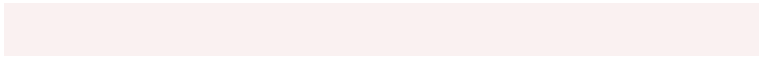
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



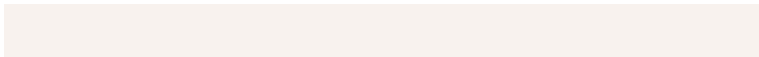
89.7303, 0.3070, 0.3290



89.7303, 0.3062, 0.3244



89.7303, 0.3185, 0.3290



89.7303, 0.3193, 0.3337

Sweetspot

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



89.7341, 0.3070, 0.3290



99.5192, 0.3111, 0.3290



89.2261, 0.3124, 0.3381



21.3063, 0.3112, 0.3290



0.0000, 0.0000, 0.0000



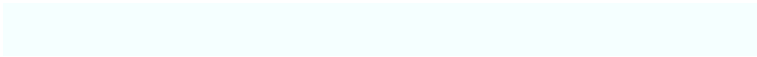
21.4041, 0.3127, 0.3290

Same Dimension

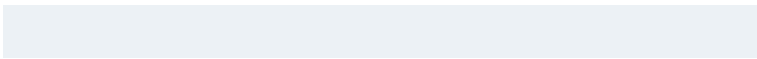
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7341, 0.3070, 0.3290



98.1151, 0.3065, 0.3290



87.1423, 0.3071, 0.3246



19.1645, 0.3053, 0.3290



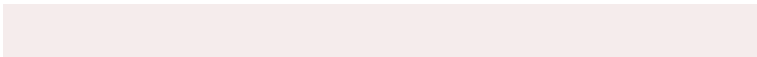
38.7155, 0.2248, 0.3294



3.4029, 0.2248, 0.3293

Inverse Universe

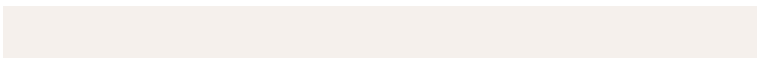
The Inverse Universe completely reimagines the original color for something new.



85.4791, 0.3187, 0.3290



93.0256, 0.3193, 0.3290



88.0057, 0.3184, 0.3333



17.9901, 0.3206, 0.3290



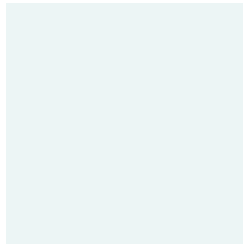
10.4588, 0.6398, 0.3298



0.9194, 0.6393, 0.3295

Previews

White Background



This preview shows how the Yxy color 89.7303, 0.3070, 0.3290 looks on a white background.

Color Contrast Check

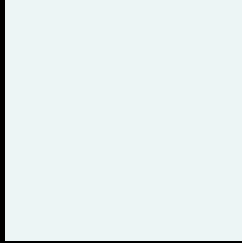
Large Text (above 18pt) WCAG AA × Fail

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 89.7303, 0.3070, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

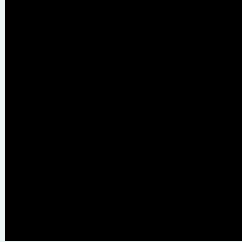
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

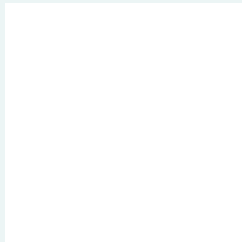
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7303, 0.3070, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 89.7303, 0.3070, 0.3290.

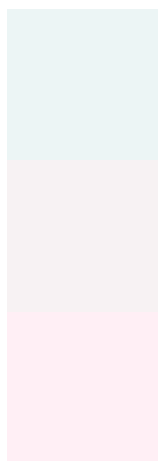


This preview shows how white text looks on a background with the Yxy color 89.7303, 0.3070, 0.3290.

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

89.7303, 0.3070, 0.3290

Protanopia

89.7495, 0.3154, 0.3280

Deuteranopia

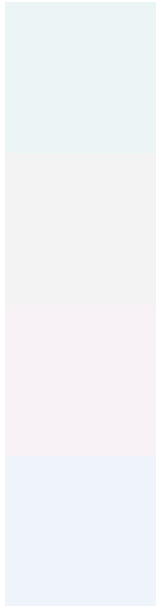
89.5856, 0.3196, 0.3232



Tritanopia

89.8464, 0.3037, 0.3171

Trichromacy



Original Color

89.7303, 0.3070, 0.3290

Protanomaly

89.6875, 0.3121, 0.3280

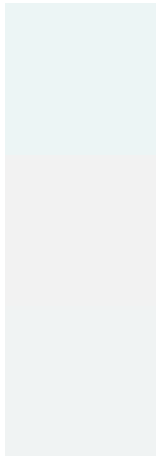
Deuteranomaly

89.4596, 0.3149, 0.3251

Tritanomaly

90.0171, 0.3054, 0.3220

Monochromacy



Original Color

89.7303, 0.3070, 0.3290

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.0975, 0.3108, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7303, 0.3070, 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, 245, 245)` looks like.

```
.text, #text, p{  
    color:rgb(236, 245, 245)  
}
```

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, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 245, 245) }
```

Border

The CSS property to change the border of an element to Yxy 89.7303, 0.3070, 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, 245, 245) }
```

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

```
.border{ border-color:rgb(236, 245, 245) }
```

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

Here you see how a box with a 4 pixel rgb(236, 245, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(236, 245,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7303, 0.3070, 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, 245, 245) }
```

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

```
.background{ background-color: rgb(236,  
245, 245) }
```

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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