

Converting Colors

$Yxy(89.1616, 0.3029, 0.3274)$

Have a look what the booklet for
Yxy(89.1616, 0.3029, 0.3274)
contains.

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Color

Yxy(89.0091, 0.3027, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	E7F5F7
RGB	231, 245, 247
RGB Percent	91%, 96%, 97%
CMY	0.0940, 0.0392, 0.0316
CMYK	0.06, 0.01, 0.00, 0.03
HSL	187°, 50%, 94%
HSV	187°, 6%, 97%
XYZ	82.3947, 89.0091, 100.7953
YIQ	241.0420, -8.9860, -2.3460

Conversions

Conversions Part 2

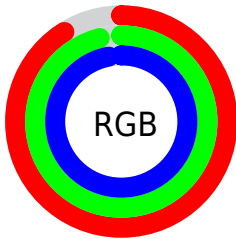
Format	Color
R _Y B	231, 238, 247
Decimal	15201783
CIE Lab	95.58, -4.22, -2.53
CIE LCh	96, 4.920, 210.997
Yxy	89.0091, 0.3027, 0.3270
Android (android.graphics.Color)	4293391863 (0xFFE7F5F7)
YUV	241.0420, 2.9373, -8.8068
Hunter-Lab	94.3446, -9.2125, 2.6974

Details

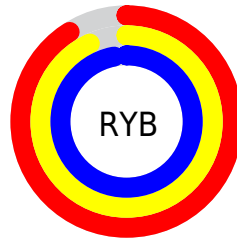
The Yxy color **89.0091, 0.3027, 0.3270** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.7978, 0.3235, 0.3310**, and the grayscale version is **87.9823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2707, 0.2999, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **83.3754, 0.2876, 0.3237**, and if you desaturate by 10%, it is **95.1237, 0.3178, 0.3300**.

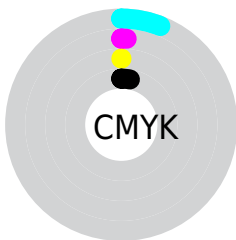
Distribution



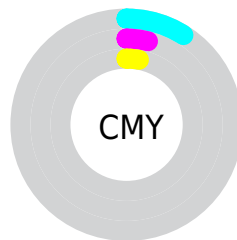
- Red (91%)
- Green (96%)
- Blue (97%)



- Red (91%)
- Yellow (93%)
- Blue (97%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)





- Cyan (9%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0091, 0.3027, 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 89.0091, 0.3027, 0.3270 by changing the saturation by 10% instead.


 89.0091, 0.3027,
0.3270

 89.0091, 0.3027,
0.3270


524.8022, 0.3072,
0.3279

 67.1591, 0.3017,
0.3268


145.9612, 0.3042,
0.3273

 49.2139, 0.3005,
0.3265


181.8321, 0.3048,
0.3274

 34.7892, 0.2990,
0.3262


223.1454, 0.3053,
0.3275

 23.5005, 0.2971,
0.3258

270.2856, 0.3058,
0.3276

 14.9635, 0.2946,
0.3253

323.6369, 0.3062,
0.3277

 8.7938, 0.2912,
0.3245

383.5839, 0.3066,

 4.6069, 0.2861,

0.3278

0.3233

450.5109, 0.3069,
0.3279

■ 2.0185, 0.2778,
0.3213

■ 0.6182, 0.2481,
0.3165

■ 89.0091, 0.3027,
0.3270

■ 89.0091, 0.3027,
0.3270

■ 83.3754, 0.2876,
0.3237

■ 95.1237, 0.3178,
0.3300

■ 78.3234, 0.2731,
0.3201

■ 96.9970, 0.3176,
0.3329

■ 73.8306, 0.2598,
0.3162

■ 98.9005, 0.3174,
0.3358

■ 69.8692, 0.2477,
0.3121

■ 99.4926, 0.3174,
0.3367

■ 66.4086, 0.2373,
0.3079

■ 63.4148, 0.2287,
0.3036

■ 60.8495, 0.2221,
0.2993

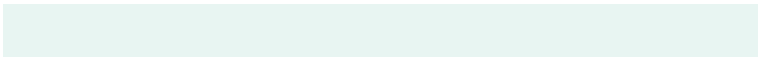
■ 58.6679, 0.2174,
0.2950

■ 56.8138, 0.2145,
0.2907

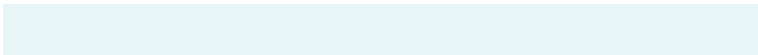
Harmonies

Analogous

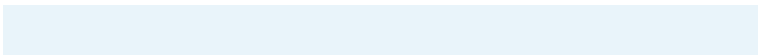
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0091, 0.3060, 0.3320



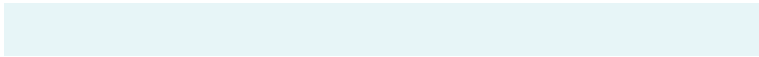
89.0091, 0.3027, 0.3270



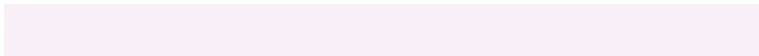
89.0091, 0.3021, 0.3226

Triad

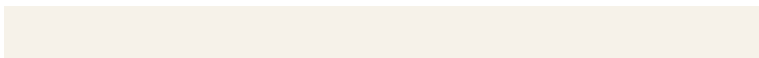
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0091, 0.3027, 0.3270



89.0091, 0.3143, 0.3220



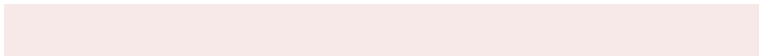
89.0091, 0.3212, 0.3381

Complementary

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



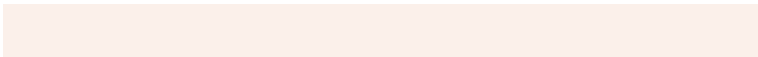
89.0091, 0.3027, 0.3270



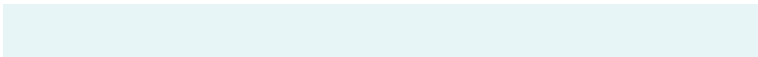
83.7978, 0.3235, 0.3310

Split Complementary

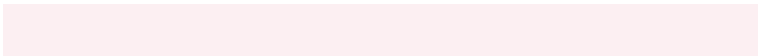
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0091, 0.3235, 0.3353



89.0091, 0.3027, 0.3270



89.0091, 0.3195, 0.3260

Square

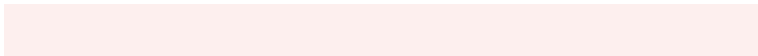
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0091, 0.3027, 0.3270



89.0091, 0.3087, 0.3197



89.0091, 0.3229, 0.3309



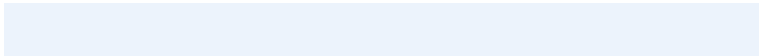
89.0091, 0.3167, 0.3385

Rectangle

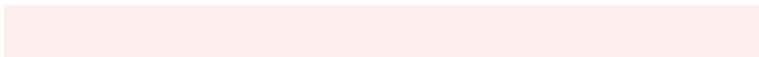
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



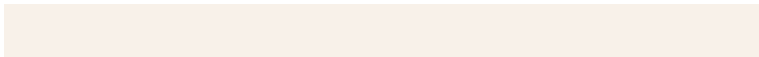
89.0091, 0.3027, 0.3270



89.0091, 0.3032, 0.3206



89.0091, 0.3229, 0.3309



89.0091, 0.3223, 0.3374

Sweetspot

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



89.0129, 0.3027, 0.3270



98.6480, 0.3096, 0.3284



89.3625, 0.3109, 0.3434



21.1289, 0.3097, 0.3284



0.0000, 0.0000, 0.0000



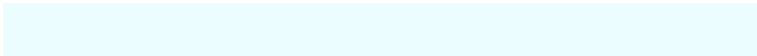
21.4041, 0.3127, 0.3290

Same Dimension

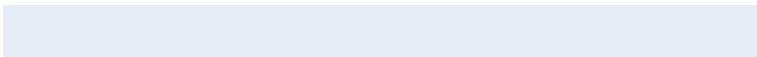
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0129, 0.3027, 0.3270



94.7519, 0.3003, 0.3265



84.3481, 0.3028, 0.3190



18.3914, 0.2981, 0.3260



29.8789, 0.2139, 0.2899



2.7214, 0.2154, 0.2953

Inverse Universe

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



83.5224, 0.3147, 0.3151



87.5081, 0.3152, 0.3117



88.3565, 0.3228, 0.3388



16.7313, 0.3157, 0.3085



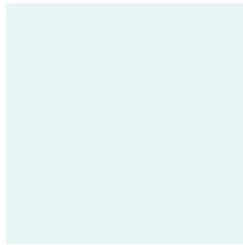
13.1157, 0.3544, 0.1726



1.1624, 0.3496, 0.1700

Previews

White Background



This preview shows how the Yxy color 89.0091, 0.3027, 0.3270 looks on a white background.

Color Contrast Check

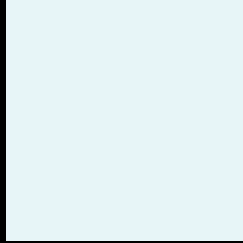
Large Text (above 18pt) WCAG AA × Fail

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 89.0091, 0.3027, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

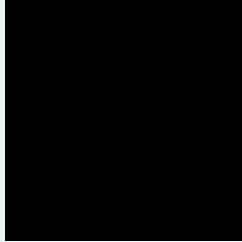
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

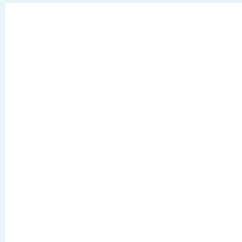
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0091, 0.3027, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 89.0091, 0.3027, 0.3270.

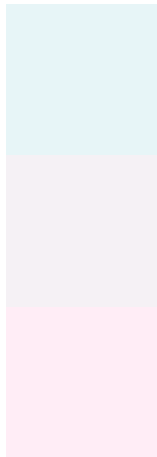


This preview shows how white text looks on a background with the Yxy color 89.0091, 0.3027, 0.3270.

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

89.0091, 0.3027, 0.3270

Protanopia

88.9156, 0.3129, 0.3250

Deuteranopia

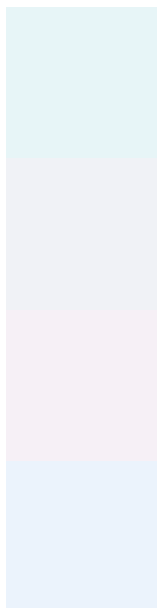
88.4822, 0.3191, 0.3203



Tritanopia

88.7288, 0.3018, 0.3161

Trichromacy



Original Color

89.0091, 0.3027, 0.3270

Protanomaly

88.6833, 0.3090, 0.3250

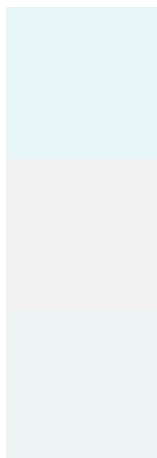
Deuteranomaly

88.5668, 0.3130, 0.3231

Tritanomaly

88.7916, 0.3023, 0.3200

Monochromacy



Original Color

89.0091, 0.3027, 0.3270

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9799, 0.3089, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0091, 0.3027, 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(231, 245, 247)` looks like.

```
.text, #text, p{  
    color:rgb(231, 245, 247)  
}
```

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(231, 245, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 245, 247) }
```

Border

The CSS property to change the border of an element to Yxy 89.0091, 0.3027, 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(231, 245, 247) }
```

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

```
.border{ border-color:rgb(231, 245, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 245, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 245, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 245, 247);  
box-shadow:4px 4px 4px 4px rgb(231, 245,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0091, 0.3027, 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(231, 245, 247) }
```

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

```
.background{ background-color: rgb(231,  
245, 247) }
```

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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