

Converting Colors

$Yxy(87.1527, 0.3067, 0.3297)$

Have a look what the booklet for
Yxy(87.1527, 0.3067, 0.3297)
contains.

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Color

Yxy(87.0109, 0.3069, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	E8F2F1
RGB	232, 242, 241
RGB Percent	91%, 95%, 95%
CMY	0.0900, 0.0510, 0.0549
CMYK	0.04, 0.00, 0.00, 0.05
HSL	174°, 28%, 93%
HSV	174°, 4%, 95%
XYZ	80.9201, 87.0109, 95.7384
YIQ	238.8960, -5.6390, -2.4310

Conversions

Conversions Part 2

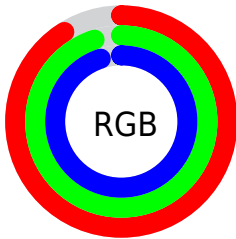
Format	Color
R _Y B	232, 237, 242
Decimal	15266545
CIE Lab	94.74, -3.45, -0.67
CIE LCh	95, 3.516, 190.958
Yxy	87.0109, 0.3069, 0.3300
Android (android.graphics.Color)	4293456625 (0xFFE8F2F1)
YUV	238.8960, 1.0373, -6.0478
Hunter-Lab	93.2796, -8.3905, 4.4429

Details

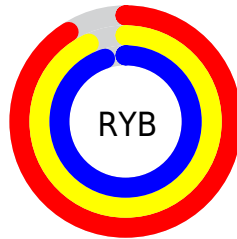
The Yxy color **87.0109, 0.3069, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.5086, 0.3188, 0.3280**, and the grayscale version is **86.2346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8507, 0.3052, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **83.0935, 0.2932, 0.3326**, and if you desaturate by 10%, it is **91.2559, 0.3204, 0.3276**.

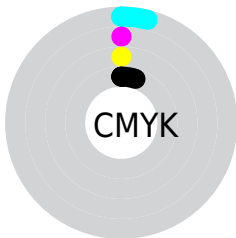
Distribution



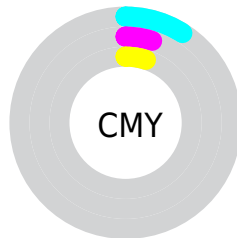
- Red (91%)
- Green (95%)
- Blue (95%)



- Red (91%)
- Yellow (93%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0109, 0.3069, 0.3300 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 87.0109, 0.3069, 0.3300 by changing the saturation by 10% instead.

87.0109, 0.3069,
0.3300

87.0109, 0.3069,
0.3300

518.2587, 0.3095,
0.3296

65.5042, 0.3063,
0.3301

143.1793, 0.3078,
0.3299

47.8701, 0.3056,
0.3302

178.6099, 0.3081,
0.3298

33.7240, 0.3047,
0.3304

219.4505, 0.3084,
0.3297

22.6816, 0.3036,
0.3305

266.0856, 0.3087,
0.3297

14.3586, 0.3021,
0.3308

318.8996, 0.3089,
0.3297

8.3705, 0.3000,
0.3311

378.2768, 0.3092,

4.3329, 0.2970,

0.3296

0.3316

444.6017, 0.3093,
0.3296

■ 1.8615, 0.2919,
0.3324

■ 0.5251, 0.2662,
0.3369

■ 87.0109, 0.3069,
0.3300

■ 87.0109, 0.3069,
0.3300

■ 83.0935, 0.2932,
0.3326

■ 91.2559, 0.3204,
0.3276

■ 79.7094, 0.2803,
0.3355


■ 91.4049, 0.3189,
0.3253


■ 76.8380, 0.2685,
0.3385


■ 91.5558, 0.3174,
0.3229


■ 74.4533, 0.2581,
0.3417


■ 91.7087, 0.3159,
0.3206


 72.5269, 0.2495,
0.3451


 91.8636, 0.3144,
0.3182

 71.0277, 0.2426,
0.3486

 91.9788, 0.3133,
0.3165

 69.9203, 0.2378,
0.3521

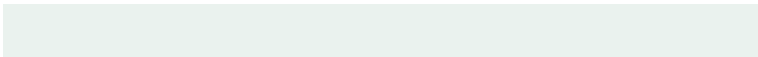
 69.1640, 0.2348,
0.3556

 68.7089, 0.2337,
0.3591

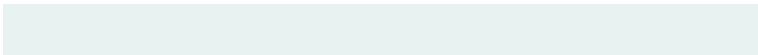
Harmonies

Analogous

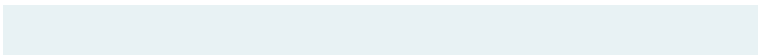
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0109, 0.3102, 0.3333



87.0109, 0.3069, 0.3300



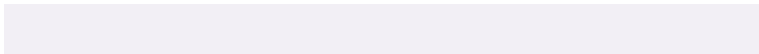
87.0109, 0.3051, 0.3264

Triad

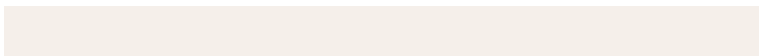
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0109, 0.3069, 0.3300



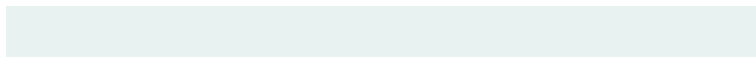
87.0109, 0.3111, 0.3227



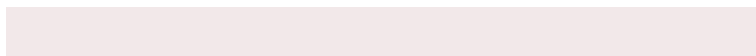
87.0109, 0.3201, 0.3344

Complementary

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



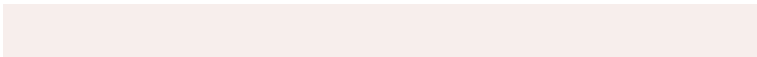
87.0109, 0.3069, 0.3300



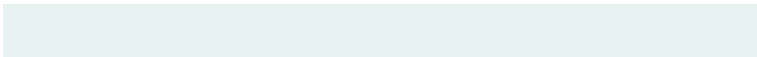
82.5086, 0.3188, 0.3280

Split Complementary

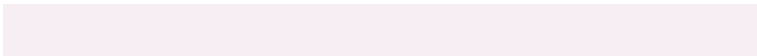
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0109, 0.3204, 0.3315



87.0109, 0.3069, 0.3300



87.0109, 0.3152, 0.3248

Square

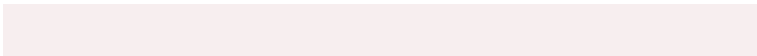
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0109, 0.3069, 0.3300



87.0109, 0.3076, 0.3222



87.0109, 0.3186, 0.3280



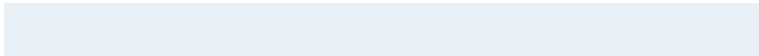
87.0109, 0.3179, 0.3359

Rectangle

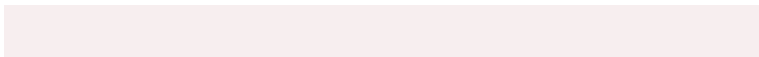
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



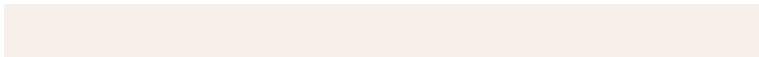
87.0109, 0.3069, 0.3300



87.0109, 0.3050, 0.3244



87.0109, 0.3186, 0.3280



87.0109, 0.3205, 0.3336

Sweetspot

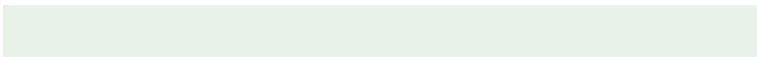
The Sweet Spot groups the original color and five complimentary colors.



87.0146, 0.3069, 0.3300



99.5030, 0.3113, 0.3292



86.6886, 0.3130, 0.3392



21.3030, 0.3114, 0.3292



0.0000, 0.0000, 0.0000



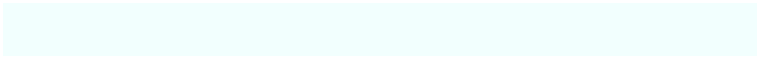
21.4041, 0.3127, 0.3290

Same Dimension

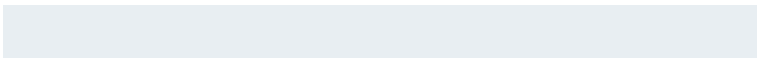
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0146, 0.3069, 0.3300



97.5789, 0.3056, 0.3302



84.8319, 0.3064, 0.3251



18.2199, 0.3047, 0.3304



36.8340, 0.2335, 0.3605



3.0721, 0.2322, 0.3559

Inverse Universe

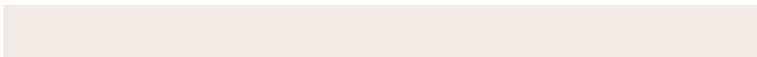
The Inverse Universe completely reimagines the original color for something new.



82.5086, 0.3188, 0.3280



91.4168, 0.3203, 0.3278



84.6190, 0.3192, 0.3329



16.9176, 0.3214, 0.3276



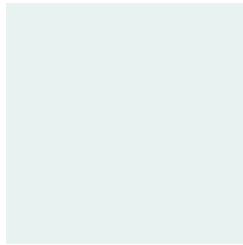
10.1865, 0.6283, 0.3235



0.8560, 0.6034, 0.3098

Previews

White Background



This preview shows how the Yxy color 87.0109, 0.3069, 0.3300 looks on a white background.

Color Contrast Check

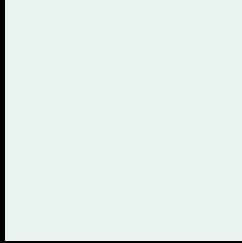
Large Text (above 18pt) WCAG AA × Fail

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 87.0109, 0.3069, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

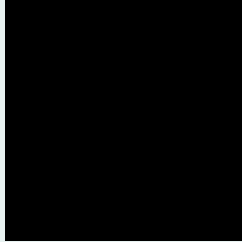
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

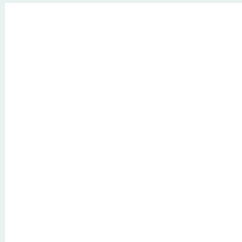
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0109, 0.3069, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 87.0109, 0.3069, 0.3300.

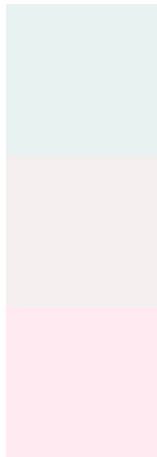


This preview shows how white text looks on a background with the Yxy color 87.0109, 0.3069, 0.3300.

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

87.0109, 0.3069, 0.3300

Protanopia

87.1981, 0.3160, 0.3290

Deuteranopia

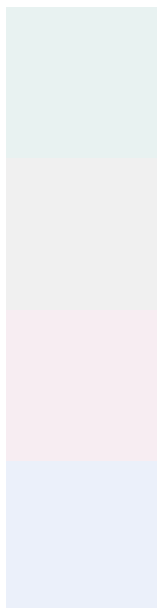
86.5164, 0.3219, 0.3212



Tritanopia

86.7859, 0.3012, 0.3130

Trichromacy



Original Color

87.0109, 0.3069, 0.3300

Protanomaly

87.1367, 0.3127, 0.3290

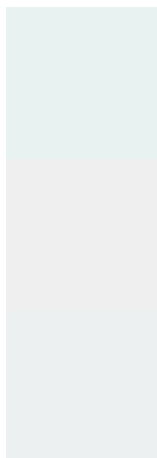
Deuteranomaly

86.7533, 0.3163, 0.3241

Tritanomaly

86.8845, 0.3035, 0.3189

Monochromacy



Original Color

87.0109, 0.3069, 0.3300

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4443, 0.3101, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0109, 0.3069, 0.3300 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(232, 242, 241)` looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 241)  
}
```

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(232, 242, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 241) }
```

Border

The CSS property to change the border of an element to Yxy 87.0109, 0.3069, 0.3300 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(232, 242, 241) }
```

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

```
.border{ border-color:rgb(232, 242, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 242, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 241);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0109, 0.3069, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 241) }
```

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

```
.background{ background-color: rgb(232,  
242, 241) }
```

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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