

Converting Colors

$Yxy(87.2748, 0.2994, 0.3243)$

Have a look what the booklet for
Yxy(87.2748, 0.2994, 0.3243)
contains.

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Color

Yxy(87.2094, 0.2996, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	E3F3F8
RGB	227, 243, 248
RGB Percent	89%, 95%, 97%
CMY	0.1098, 0.0470, 0.0275
CMYK	0.08, 0.02, 0.00, 0.03
HSL	194°, 60%, 93%
HSV	194°, 8%, 97%
XYZ	80.6667, 87.2094, 101.3718
YIQ	238.7860, -11.1410, -1.8370

Conversions

Conversions Part 2

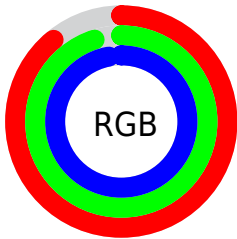
Format	Color
R _Y B	227, 236, 248
Decimal	14939128
CIE Lab	94.83, -4.31, -4.21
CIE LCh	95, 6.025, 224.329
Yxy	87.2094, 0.2996, 0.3239
Android (android.graphics.Color)	4293129208 (0xFFE3F3F8)
YUV	238.7860, 4.5425, -10.3363
Hunter-Lab	93.3860, -9.2374, 1.0100

Details

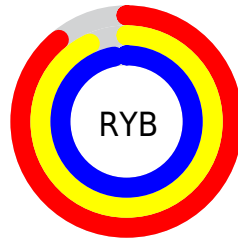
The Yxy color **87.2094, 0.2996, 0.3239** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.1881, 0.3269, 0.3340**, and the grayscale version is **86.1121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1171, 0.2968, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **80.0090, 0.2843, 0.3173**, and if you desaturate by 10%, it is **95.1102, 0.3151, 0.3299**.

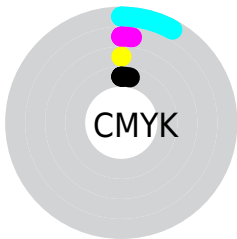
Distribution



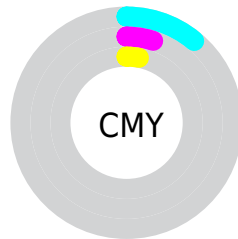
- Red (89%)
- Green (95%)
- Blue (97%)



- Red (89%)
- Yellow (93%)
- Blue (97%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2094, 0.2996, 0.3239 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 87.2094, 0.2996, 0.3239 by changing the saturation by 10% instead.

87.2094, 0.2996,
0.3239

87.2094, 0.2996,
0.3239

518.9107, 0.3055,
0.3262

65.6685, 0.2983,
0.3234

143.4560, 0.3016,
0.3247

48.0034, 0.2967,
0.3227

178.9304, 0.3024,
0.3250

33.8295, 0.2948,
0.3219

219.8182, 0.3031,
0.3253

22.7627, 0.2923,
0.3209

266.5037, 0.3037,
0.3255

14.4184, 0.2890,
0.3195

319.3713, 0.3042,
0.3257

8.4122, 0.2844,
0.3176

378.8054, 0.3047,

4.3598, 0.2776,

0.3259

0.3146

445.1904, 0.3051,
0.3261

■ 1.8768, 0.2666,
0.3096

■ 0.5344, 0.2221,
0.2947

■ 87.2094, 0.2996,
0.3239

■ 87.2094, 0.2996,
0.3239

■ 80.0090, 0.2843,
0.3173

■ 95.1102, 0.3151,
0.3299

■ 73.4723, 0.2694,
0.3101

■ 99.3986, 0.3168,
0.3355

■ 67.5753, 0.2553,
0.3024

■ 99.5561, 0.3168,
0.3357

■ 62.2885, 0.2423,
0.2943

■ 57.5794, 0.2307,
0.2857

■ 53.4120, 0.2209,
0.2769

■ 49.7454, 0.2130,
0.2680

■ 46.5317, 0.2071,
0.2592

■ 43.7031, 0.2031,
0.2504

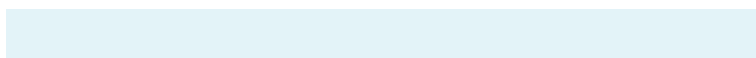
Harmonies

Analogous

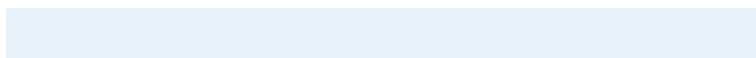
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2094, 0.3023, 0.3300



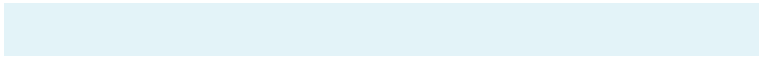
87.2094, 0.2996, 0.3239



87.2094, 0.3004, 0.3193

Triad

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



87.2094, 0.2996, 0.3239



87.2094, 0.3177, 0.3223



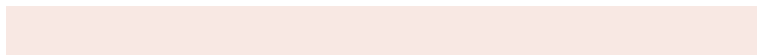
87.2094, 0.3210, 0.3409

Complementary

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



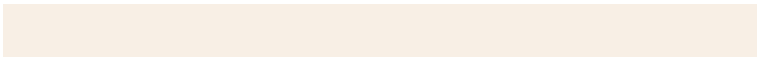
87.2094, 0.2996, 0.3239



83.1881, 0.3269, 0.3340

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.



87.2094, 0.3252, 0.3387



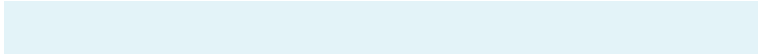
87.2094, 0.2996, 0.3239



87.2094, 0.3233, 0.3279

Square

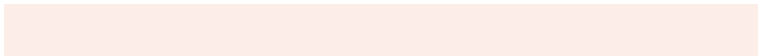
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



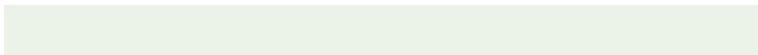
87.2094, 0.2996, 0.3239



87.2094, 0.3108, 0.3185



87.2094, 0.3260, 0.3339



87.2094, 0.3146, 0.3399

Rectangle

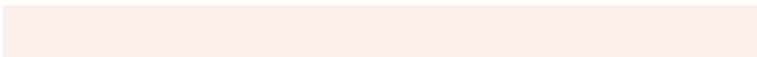
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.2094, 0.2996, 0.3239



87.2094, 0.3028, 0.3177



87.2094, 0.3260, 0.3339



87.2094, 0.3227, 0.3405

Sweetspot

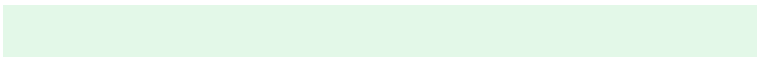
The Sweet Spot groups the original color and five complimentary colors.



87.2131, 0.2996, 0.3239



97.4277, 0.3081, 0.3272



89.2720, 0.3088, 0.3456



20.7089, 0.3068, 0.3268



0.0000, 0.0000, 0.0000



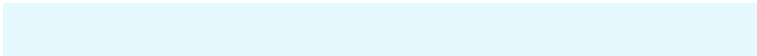
21.4041, 0.3127, 0.3290

Same Dimension

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



87.2131, 0.2996, 0.3239



91.6889, 0.2972, 0.3229



81.1490, 0.2996, 0.3131



18.8711, 0.2980, 0.3233



23.6156, 0.2029, 0.2505



2.3491, 0.2058, 0.2610

Inverse Universe

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



81.3565, 0.3169, 0.3131



84.4130, 0.3177, 0.3101



89.2310, 0.3259, 0.3444



17.4502, 0.3174, 0.3111



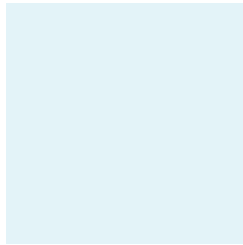
12.7949, 0.3917, 0.1932



1.2014, 0.3814, 0.1875

Previews

White Background



This preview shows how the Yxy color 87.2094, 0.2996, 0.3239 looks on a white background.

Color Contrast Check

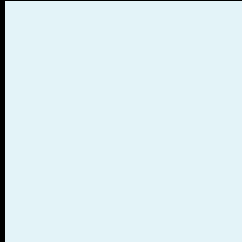
Large Text (above 18pt) WCAG AA × Fail

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 87.2094, 0.2996, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

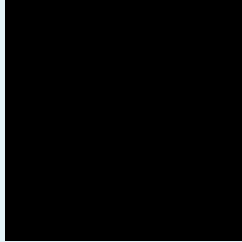
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

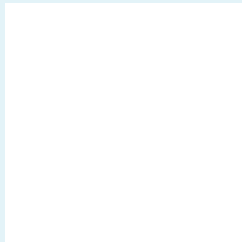
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2094, 0.2996, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 87.2094, 0.2996, 0.3239.

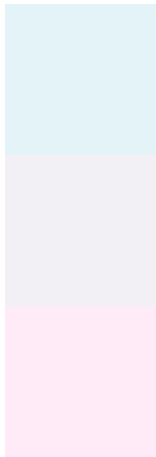


This preview shows how white text looks on a background with the Yxy color 87.2094, 0.2996, 0.3239.

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

87.2094, 0.2996, 0.3239

Protanopia

87.2028, 0.3110, 0.3230

Deuteranopia

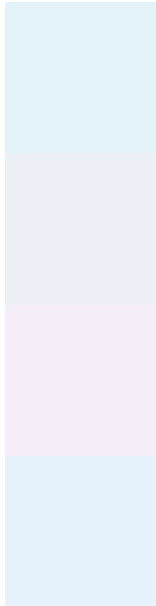
86.8829, 0.3180, 0.3154



Tritanopia

87.2864, 0.2987, 0.3149

Trichromacy



Original Color

87.2094, 0.2996, 0.3239

Protanomaly

86.9785, 0.3071, 0.3230

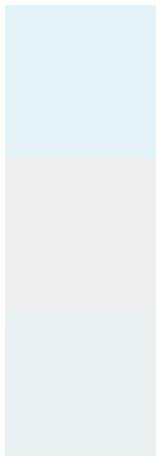
Deuteranomaly

86.7582, 0.3112, 0.3181

Tritanomaly

87.3555, 0.2992, 0.3189

Monochromacy



Original Color

87.2094, 0.2996, 0.3239

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.3931, 0.3082, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2094, 0.2996, 0.3239 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(227, 243, 248)` looks like.

```
.text, #text, p{  
    color:rgb(227, 243, 248)  
}
```

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(227, 243, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 243, 248) }
```

Border

The CSS property to change the border of an element to Yxy 87.2094, 0.2996, 0.3239 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(227, 243, 248) }
```

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

```
.border{ border-color:rgb(227, 243, 248) }
```

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

Here you see how a box with a 4 pixel rgb(227, 243, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 243, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 243, 248);  
box-shadow:4px 4px 4px 4px rgb(227, 243,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2094, 0.2996, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 243, 248) }
```

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

```
.background{ background-color: rgb(227,  
243, 248) }
```

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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