

Converting Colors

$Yxy(89.8549, 0.3000, 0.3290)$

Have a look what the booklet for
Yxy(89.8549, 0.3000, 0.3290)
contains.

Yxy(89.5678, 0.3002, 0.3290)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.5678, 0.3002, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E3F7F7
RGB	227, 247, 247
RGB Percent	89%, 97%, 97%
CMY	0.1097, 0.0314, 0.0315
CMYK	0.08, 0.00, 0.00, 0.03
HSL	180°, 56%, 93%
HSV	180°, 8%, 97%
XYZ	81.7272, 89.5678, 100.9475
YIQ	241.0200, -11.9200, -4.2400

Conversions

Conversions Part 2

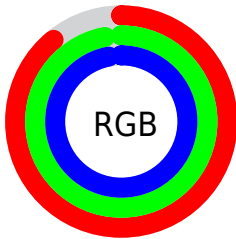
Format	Color
R_{YB}	227, 237, 247
Decimal	14940151
CIE _{Lab}	95.82, -6.51, -2.23
CIE _{LCh}	96, 6.883, 198.903
Yxy	89.5678, 0.3002, 0.3290
Android (android.graphics.Color)	4293130231 (0xFFE3F7F7)
YUV	241.0200, 2.9481, -12.2955
Hunter-Lab	94.6403, -11.4756, 3.0068

Details

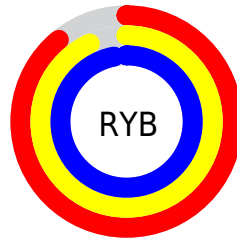
The Yxy color **89.5678, 0.3002, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.2724, 0.3267, 0.3290**, and the grayscale version is **87.9660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7938, 0.2976, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **85.8357, 0.2855, 0.3290**, and if you desaturate by 10%, it is **93.8836, 0.3157, 0.3290**.

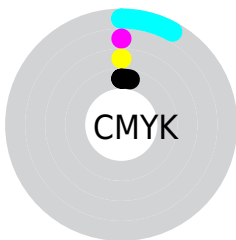
Distribution



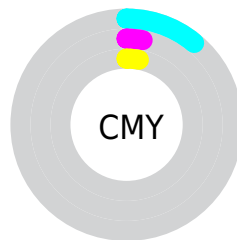
- Red (89%)
- Green (97%)
- Blue (97%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5678, 0.3002, 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 89.5678, 0.3002, 0.3290 by changing the saturation by 10% instead.


 89.5678, 0.3002,
0.3290

 89.5678, 0.3002,
0.3290

526.6239, 0.3058,
0.3290

 67.6222, 0.2990,
0.3290

146.7379, 0.3021,
0.3290

 49.5905, 0.2975,
0.3290


182.7312, 0.3028,
0.3290

 35.0881, 0.2956,
0.3289


224.1759, 0.3035,
0.3290

 23.7308, 0.2933,
0.3289

271.4564, 0.3041,
0.3290

 15.1340, 0.2902,
0.3288

324.9571, 0.3046,
0.3290

 8.9135, 0.2859,
0.3287

385.0623, 0.3050,

 4.6848, 0.2796,

0.3290

452.1564, 0.3054,
0.3290

0.3285

■ 2.0635, 0.2694,
0.3280

■ 0.6440, 0.2319,
0.3295

■ 89.5678, 0.3002,
0.3290

■ 89.5678, 0.3002,
0.3290

■ 85.8357, 0.2855,
0.3290

■ 93.8836, 0.3157,
0.3290

■ 82.6516, 0.2719,
0.3290


■ 94.5036, 0.3178,
0.3290


■ 79.9930, 0.2597,
0.3291

■ 94.5066, 0.3178,
0.3289


■ 77.8319, 0.2493,
0.3291

■ 94.5095, 0.3178,
0.3289


 76.1371, 0.2406,
0.3291

 94.5125, 0.3177,
0.3288


 74.8743, 0.2339,
0.3292


 94.5155, 0.3177,
0.3288

 74.0045, 0.2292,
0.3292

 94.5184, 0.3177,
0.3287

 73.4813, 0.2263,
0.3293

 94.5214, 0.3176,
0.3287

 73.2415, 0.2250,
0.3293

 94.5244, 0.3176,
0.3286

Harmonies

Analogous

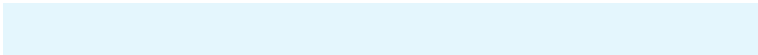
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5678, 0.3060, 0.3358



89.5678, 0.3002, 0.3290



89.5678, 0.2978, 0.3223

Triad

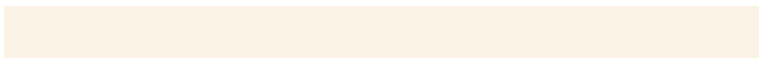
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5678, 0.3002, 0.3290



89.5678, 0.3117, 0.3176



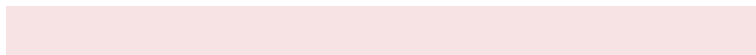
89.5678, 0.3263, 0.3405

Complementary

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



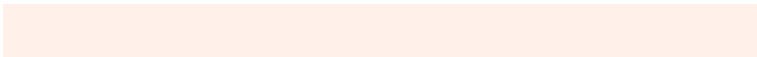
89.5678, 0.3002, 0.3290



80.2724, 0.3267, 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.



89.5678, 0.3279, 0.3355



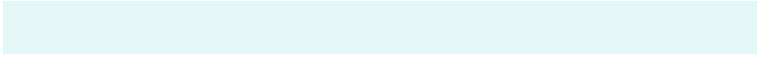
89.5678, 0.3002, 0.3290



89.5678, 0.3194, 0.3223

Square

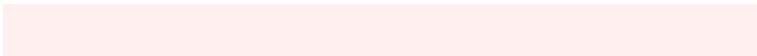
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



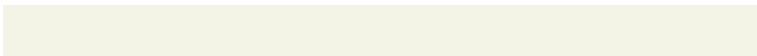
89.5678, 0.3002, 0.3290



89.5678, 0.3043, 0.3158



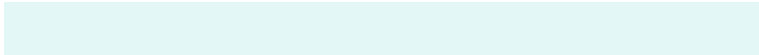
89.5678, 0.3254, 0.3288



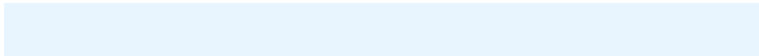
89.5678, 0.3211, 0.3425

Rectangle

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



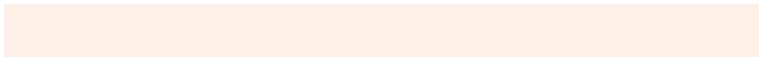
89.5678, 0.3002, 0.3290



89.5678, 0.2983, 0.3188



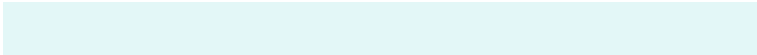
89.5678, 0.3254, 0.3288



89.5678, 0.3273, 0.3391

Sweetspot

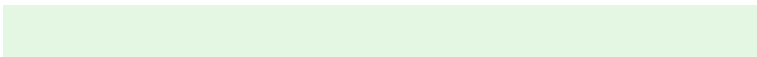
The Sweet Spot groups the original color and five complimentary colors.



89.5716, 0.3002, 0.3290



99.0449, 0.3096, 0.3290



88.4596, 0.3120, 0.3497



21.2097, 0.3097, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

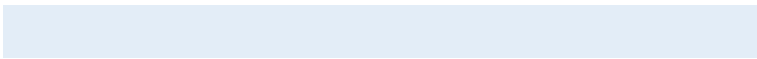
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5716, 0.3002, 0.3290



95.4772, 0.2973, 0.3290



83.8177, 0.3002, 0.3191



18.7573, 0.2981, 0.3290



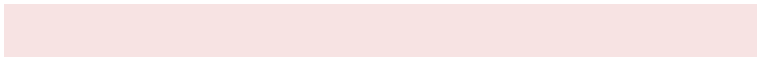
38.7172, 0.2248, 0.3293



3.4030, 0.2248, 0.3292

Inverse Universe

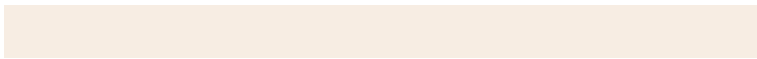
The Inverse Universe completely reimagines the original color for something new.



80.2724, 0.3267, 0.3290



83.2636, 0.3304, 0.3290



85.7044, 0.3258, 0.3387



16.4831, 0.3294, 0.3290



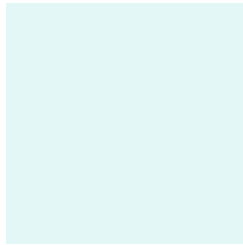
10.4587, 0.6399, 0.3299



0.9194, 0.6393, 0.3296

Previews

White Background



This preview shows how the Yxy color 89.5678, 0.3002, 0.3290 looks on a white background.

Color Contrast Check

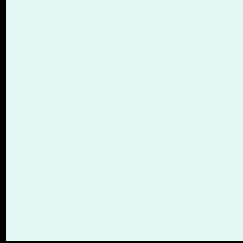
Large Text (above 18pt) WCAG AA × Fail

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 89.5678, 0.3002, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

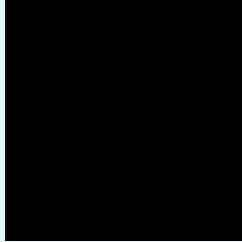
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

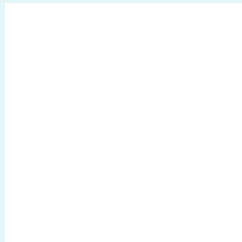
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5678, 0.3002, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 89.5678, 0.3002, 0.3290.

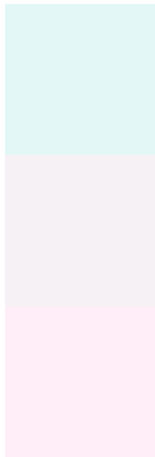


This preview shows how white text looks on a background with the Yxy color 89.5678, 0.3002, 0.3290.

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

89.5678, 0.3002, 0.3290

Protanopia

89.0351, 0.3142, 0.3260

Deuteranopia

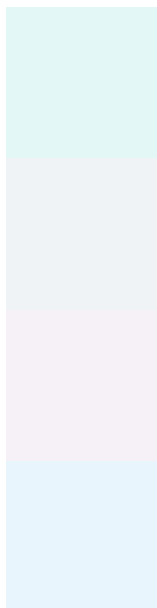
89.1245, 0.3184, 0.3203



Tritanopia

89.7542, 0.3012, 0.3181

Trichromacy



Original Color

89.5678, 0.3002, 0.3290

Protanomaly

89.0445, 0.3089, 0.3270

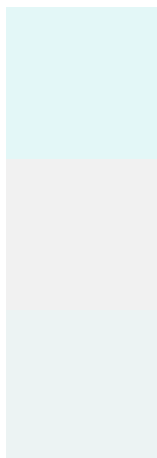
Deuteranomaly

89.0385, 0.3117, 0.3231

Tritanomaly

89.6567, 0.3010, 0.3220

Monochromacy



Original Color

89.5678, 0.3002, 0.3290

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.4051, 0.3082, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5678, 0.3002, 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(227, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(227, 247, 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(227, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 247, 247) }
```

Border

The CSS property to change the border of an element to Yxy 89.5678, 0.3002, 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(227, 247, 247) }
```

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

```
.border{ border-color:rgb(227, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(227, 247,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5678, 0.3002, 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(227, 247, 247) }
```

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

```
.background{ background-color: rgb(227,  
247, 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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