

Converting Colors

$Yxy(89.6397, 0.3016, 0.3236)$

Have a look what the booklet for
Yxy(89.6397, 0.3016, 0.3236)
contains.

Yxy(89.5935, 0.3016, 0.3230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.5935, 0.3016, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	E9F5FB
RGB	233, 245, 251
RGB Percent	91%, 96%, 98%
CMY	0.0864, 0.0391, 0.0158
CMYK	0.07, 0.02, 0.00, 0.02
HSL	200°, 69%, 95%
HSV	200°, 7%, 98%
XYZ	83.6576, 89.5935, 104.1282
YIQ	242.0960, -9.0780, -0.6780

Conversions

Conversions Part 2

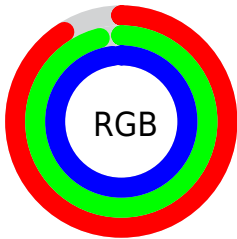
Format	Color
R _Y B	233, 240, 251
Decimal	15332859
CIE _{Lab}	95.83, -2.84, -4.24
CIE _{LCh}	96, 5.104, 236.141
Y _{xy}	89.5935, 0.3016, 0.3230
Android (android.graphics.Color)	4293522939 (0xFFE9F5FB)
Y _{UV}	242.0960, 4.3897, -7.9772
Hunter-Lab	94.6538, -7.8812, 1.0331

Details

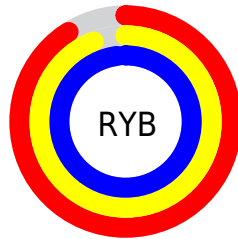
The Yxy color 89.5935, 0.3016, 0.3230 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.0746, 0.3245, 0.3349, and the grayscale version is 88.8407, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.6824, 0.2986, 0.3213 is the 20% darker color. If you saturate the color by 10%, you get 80.7584, 0.2860, 0.3139, and if you desaturate by 10%, it is 98.6762, 0.3151, 0.3312.

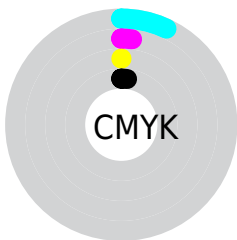
Distribution



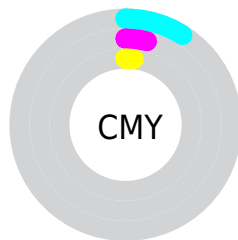
- Red (91%)
- Green (96%)
- Blue (98%)



- Red (91%)
- Yellow (94%)
- Blue (98%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)





- Cyan (9%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5935, 0.3016, 0.3230 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 89.5935, 0.3016, 0.3230 by changing the saturation by 10% instead.

 89.5935, 0.3016,
0.3230

 89.5935, 0.3016,
0.3230


526.7076, 0.3065,
0.3257

 67.6435, 0.3005,
0.3224

146.7736, 0.3033,
0.3239

 49.6078, 0.2992,
0.3217


182.7726, 0.3039,
0.3243

 35.1019, 0.2976,
0.3208


224.2233, 0.3045,
0.3246

 23.7414, 0.2955,
0.3196

271.5102, 0.3050,
0.3249

 15.1419, 0.2927,
0.3180

325.0177, 0.3055,
0.3251

 8.9190, 0.2889,
0.3159

385.1302, 0.3059,

 4.6884, 0.2833,

0.3253

0.3126

452.2320, 0.3062,
0.3255

■ 2.0656, 0.2743,
0.3073

■ 0.6452, 0.2485,
0.2948

■ 89.5935, 0.3016,
0.3230

■ 89.5935, 0.3016,
0.3230

■ 80.7584, 0.2860,
0.3139

■ 98.6762, 0.3151,
0.3312

■ 72.7175, 0.2705,
0.3038

■ 99.7434, 0.3150,
0.3328

■ 65.4446, 0.2555,
0.2930

■ 58.9074, 0.2412,
0.2814

■ 53.0709, 0.2282,
0.2691

■ 47.8967, 0.2168,
0.2565

■ 43.3412, 0.2072,
0.2437

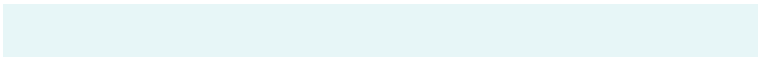
■ 39.3539, 0.1998,
0.2309

■ 35.8707, 0.1943,
0.2183

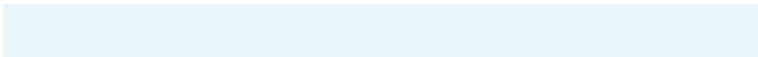
Harmonies

Analogous

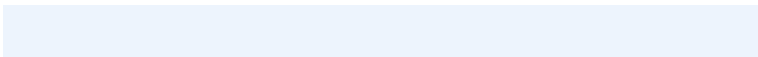
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5935, 0.3027, 0.3278



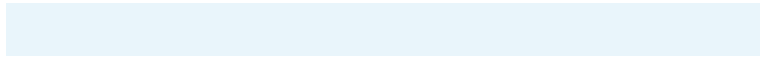
89.5935, 0.3016, 0.3230



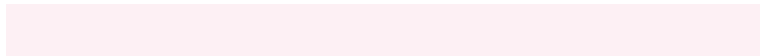
89.5935, 0.3034, 0.3199

Triad

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



89.5935, 0.3016, 0.3230



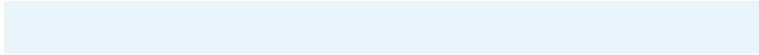
89.5935, 0.3189, 0.3251



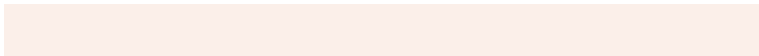
89.5935, 0.3177, 0.3390

Complementary

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



89.5935, 0.3016, 0.3230



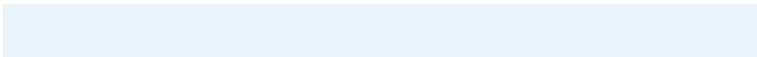
88.0746, 0.3245, 0.3349

Split Complementary

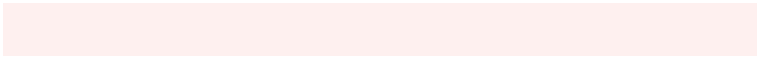
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5935, 0.3221, 0.3381



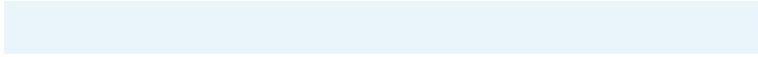
89.5935, 0.3016, 0.3230



89.5935, 0.3228, 0.3301

Square

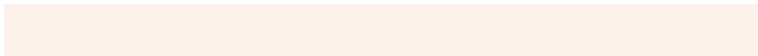
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



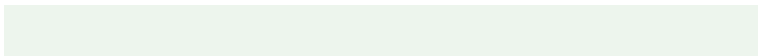
89.5935, 0.3016, 0.3230



89.5935, 0.3134, 0.3212



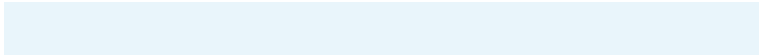
89.5935, 0.3240, 0.3349



89.5935, 0.3120, 0.3370

Rectangle

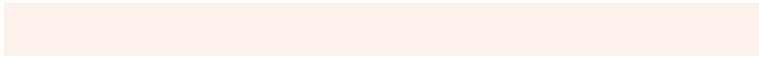
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5935, 0.3016, 0.3230



89.5935, 0.3061, 0.3192



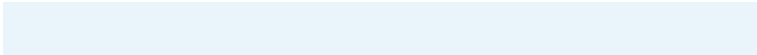
89.5935, 0.3240, 0.3349



89.5935, 0.3194, 0.3390

Sweetspot

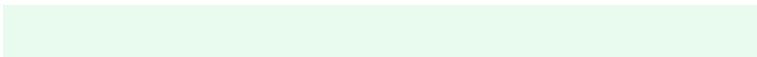
The Sweet Spot groups the original color and five complimentary colors.



89.5973, 0.3016, 0.3230



97.9738, 0.3096, 0.3274



92.5090, 0.3086, 0.3414



20.9917, 0.3098, 0.3275



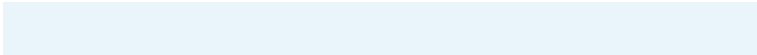
0.0000, 0.0000, 0.0000



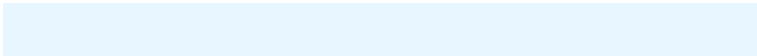
21.4041, 0.3127, 0.3290

Same Dimension

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



89.5973, 0.3016, 0.3230



91.1557, 0.2987, 0.3214



84.4277, 0.3017, 0.3141



18.5843, 0.2980, 0.3210



18.6542, 0.1936, 0.2169



1.9219, 0.1978, 0.2319

Inverse Universe

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



85.3578, 0.3173, 0.3172



85.7420, 0.3185, 0.3141



93.3198, 0.3237, 0.3435



17.4212, 0.3189, 0.3133



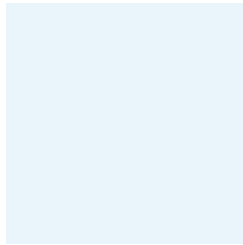
12.2941, 0.4266, 0.2124



1.1582, 0.4107, 0.2036

Previews

White Background



This preview shows how the Yxy color 89.5935, 0.3016, 0.3230 looks on a white background.

Color Contrast Check

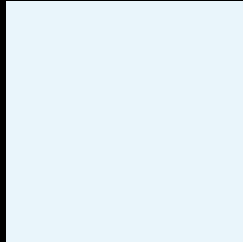
Large Text (above 18pt) WCAG AA × Fail

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 89.5935, 0.3016, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

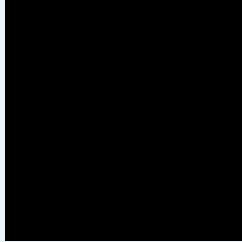
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

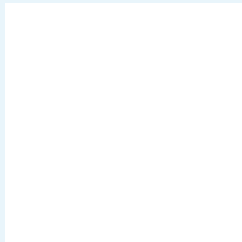
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5935, 0.3016, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 89.5935, 0.3016, 0.3230.

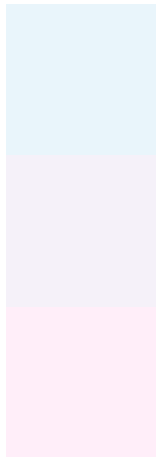


This preview shows how white text looks on a background with the Yxy color 89.5935, 0.3016, 0.3230.

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

89.5935, 0.3016, 0.3230

Protanopia

89.1626, 0.3105, 0.3211

Deuteranopia

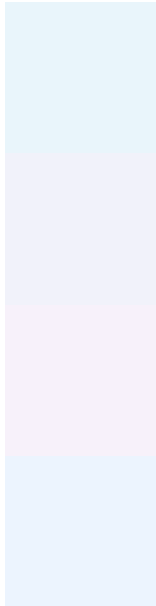
89.2486, 0.3172, 0.3184



Tritanopia

89.4983, 0.3024, 0.3171

Trichromacy



Original Color

89.5935, 0.3016, 0.3230

Protanomaly

89.1072, 0.3073, 0.3211

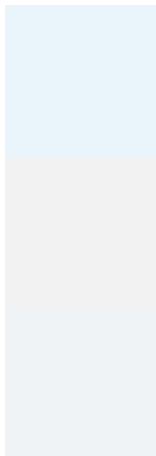
Deuteranomaly

89.5869, 0.3112, 0.3202

Tritanomaly

89.6900, 0.3018, 0.3190

Monochromacy



Original Color

89.5935, 0.3016, 0.3230

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.0445, 0.3089, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5935, 0.3016, 0.3230 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(233, 245, 251)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 251)  
}
```

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(233, 245, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 251) }
```

Border

The CSS property to change the border of an element to Yxy 89.5935, 0.3016, 0.3230 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(233, 245, 251) }
```

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

```
.border{ border-color:rgb(233, 245, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 251);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5935, 0.3016, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 251) }
```

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

```
.background{ background-color: rgb(233,  
245, 251) }
```

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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