

Converting Colors

$Y_{xy}(88.1272, 0.2988, 0.3189)$

Have a look what the booklet for
Yxy(88.1272, 0.2988, 0.3189)
contains.

Yxy(88.0160, 0.2986, 0.3189)	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(88.0160, 0.2986, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	E6F3FD
RGB	230, 243, 253
RGB Percent	90%, 95%, 99%
CMY	0.0980, 0.0470, 0.0079
CMYK	0.09, 0.04, 0.00, 0.01
HSL	206°, 85%, 95%
HSV	206°, 9%, 99%
XYZ	82.4132, 88.0160, 105.5695
YIQ	240.2530, -10.9580, 0.3540

Conversions

Conversions Part 2

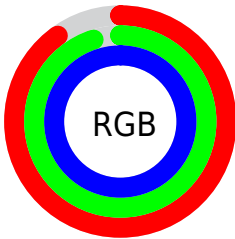
Format	Color
R_{YB}	230, 238, 253
Decimal	15135741
CIE _{Lab}	95.17, -2.39, -6.28
CIE _{LCh}	95, 6.720, 249.204
Yxy	88.0160, 0.2986, 0.3189
Android (android.graphics.Color)	4293325821 (0xFFE6F3FD)
YUV	240.2530, 6.2843, -8.9919
Hunter-Lab	93.8168, -7.3765, -1.0456

Details

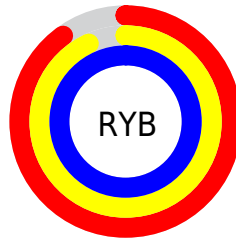
The Yxy color **88.0160, 0.2986, 0.3189** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.9131, 0.3276, 0.3389**, and the grayscale version is **87.3048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5248, 0.2955, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **77.7484, 0.2827, 0.3066**, and if you desaturate by 10%, it is **99.2348, 0.3139, 0.3300**.

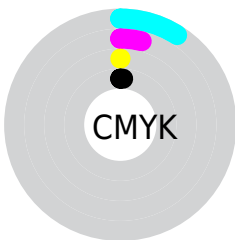
Distribution



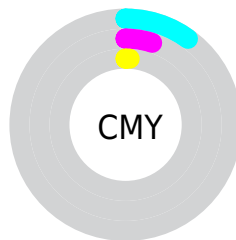
- Red (90%)
- Green (95%)
- Blue (99%)



- Red (90%)
- Yellow (93%)
- Blue (99%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.0160, 0.2986, 0.3189 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 88.0160, 0.2986, 0.3189 by changing the saturation by 10% instead.

88.0160, 0.2986,
0.3189

88.0160, 0.2986,
0.3189

521.5556, 0.3049,
0.3234

66.3363, 0.2972,
0.3179

144.5794, 0.3007,
0.3205

48.5455, 0.2955,
0.3167

180.2320, 0.3016,
0.3211

34.2591, 0.2934,
0.3151

221.3109, 0.3023,
0.3216

23.0927, 0.2908,
0.3132

268.2007, 0.3030,
0.3221

14.6620, 0.2872,
0.3105

321.2856, 0.3035,
0.3225

8.5825, 0.2823,
0.3069

380.9502, 0.3040,

4.4699, 0.2751,

0.3228

0.3015

447.5787, 0.3045,
0.3232

■ 1.9397, 0.2635,
0.2926

■ 0.5721, 0.2287,
0.2695

■ 88.0160, 0.2986,
0.3189

■ 88.0160, 0.2986,
0.3189

■ 77.7484, 0.2827,
0.3066

99.2348, 0.3139,
0.3300

■ 68.4457, 0.2666,
0.2930

99.8716, 0.3139,
0.3309

■ 60.0767, 0.2507,
0.2783

■ 52.6039, 0.2355,
0.2625

■ 45.9867, 0.2213,
0.2459

■ 40.1806, 0.2086,
0.2289

■ 35.1356, 0.1979,
0.2117

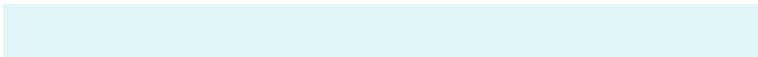
■ 30.7934, 0.1894,
0.1949

■ 27.0710, 0.1831,
0.1787

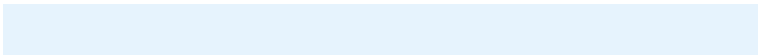
Harmonies

Analogous

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



88.0160, 0.2984, 0.3244



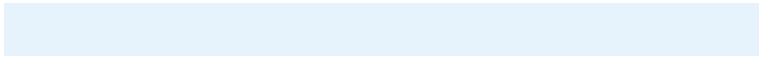
88.0160, 0.2986, 0.3189



88.0160, 0.3026, 0.3162

Triad

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



88.0160, 0.2986, 0.3189



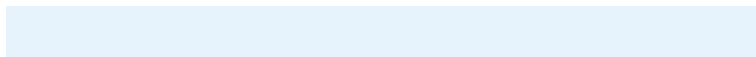
88.0160, 0.3236, 0.3267



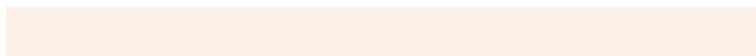
88.0160, 0.3161, 0.3415

Complementary

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



88.0160, 0.2986, 0.3189



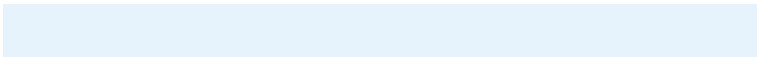
88.9131, 0.3276, 0.3389

Split Complementary

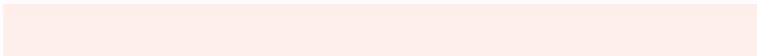
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0160, 0.3229, 0.3420



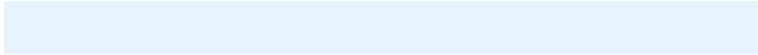
88.0160, 0.2986, 0.3189



88.0160, 0.3273, 0.3334

Square

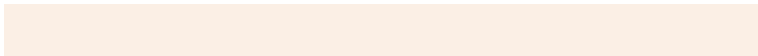
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.0160, 0.2986, 0.3189



88.0160, 0.3169, 0.3207



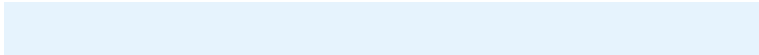
88.0160, 0.3270, 0.3390



88.0160, 0.3084, 0.3376

Rectangle

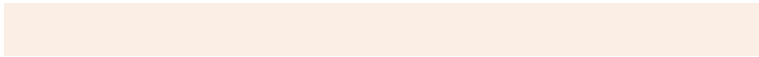
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.0160, 0.2986, 0.3189



88.0160, 0.3068, 0.3163



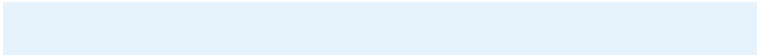
88.0160, 0.3270, 0.3390



88.0160, 0.3185, 0.3421

Sweetspot

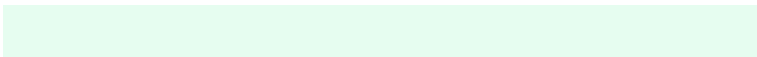
The Sweet Spot groups the original color and five complimentary colors.



88.0197, 0.2986, 0.3189



96.4751, 0.3081, 0.3258



93.3615, 0.3059, 0.3421



20.4514, 0.3069, 0.3249



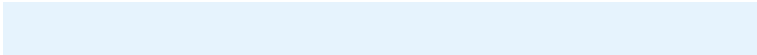
0.0000, 0.0000, 0.0000



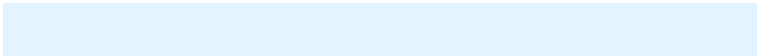
21.4041, 0.3127, 0.3290

Same Dimension

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



88.0197, 0.2986, 0.3189



87.5308, 0.2956, 0.3166



81.3683, 0.2985, 0.3071



19.0824, 0.2979, 0.3184



14.5277, 0.1833, 0.1798



1.6319, 0.1884, 0.1983

Inverse Universe

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



83.9494, 0.3201, 0.3162



82.6305, 0.3219, 0.3135



95.8800, 0.3264, 0.3500



18.1592, 0.3205, 0.3156



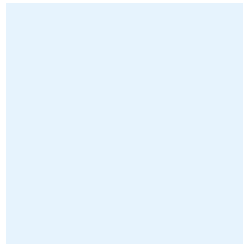
12.1945, 0.4688, 0.2356



1.2093, 0.4472, 0.2237

Previews

White Background



This preview shows how the Yxy color 88.0160, 0.2986, 0.3189 looks on a white background.

Color Contrast Check

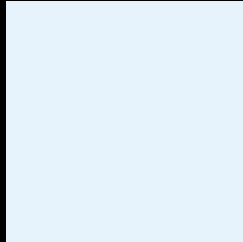
Large Text (above 18pt) WCAG AA × Fail

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 88.0160, 0.2986, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

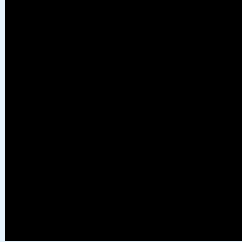
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

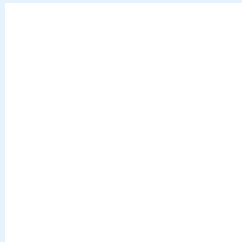
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.0160, 0.2986, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 88.0160, 0.2986, 0.3189.

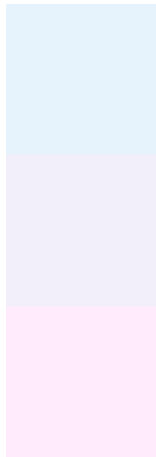


This preview shows how white text looks on a background with the Yxy color 88.0160, 0.2986, 0.3189.

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

88.0160, 0.2986, 0.3189

Protanopia

87.5753, 0.3074, 0.3171

Deuteranopia

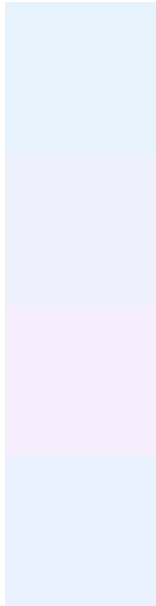
87.7049, 0.3155, 0.3126



Tritanopia

87.6230, 0.2999, 0.3150

Trichromacy



Original Color

88.0160, 0.2986, 0.3189

Protanomaly

87.5256, 0.3042, 0.3170

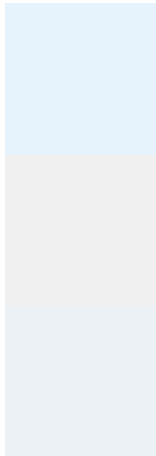
Deuteranomaly

87.7702, 0.3094, 0.3152

Tritanomaly

87.9837, 0.2999, 0.3170

Monochromacy



Original Color

88.0160, 0.2986, 0.3189

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.3360, 0.3071, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.0160, 0.2986, 0.3189 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(230, 243, 253)` looks like.

```
.text, #text, p{  
    color:rgb(230, 243, 253)  
}
```

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(230, 243, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 243, 253) }
```

Border

The CSS property to change the border of an element to Yxy 88.0160, 0.2986, 0.3189 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(230, 243, 253) }
```

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

```
.border{ border-color:rgb(230, 243, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 243, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 243, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 243, 253);  
box-shadow:4px 4px 4px 4px rgb(230, 243,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 88.0160, 0.2986, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 243, 253) }
```

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

```
.background{ background-color: rgb(230,  
243, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor