

Converting Colors

$Y_{xy}(87.8390, 0.2961, 0.3227)$

Have a look what the booklet for
Yxy(87.8390, 0.2961, 0.3227)
contains.

Yxy(88.1171, 0.2961, 0.3228)	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(88.1171, 0.2961, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	E0F5FB
RGB	224, 245, 251
RGB Percent	88%, 96%, 98%
CMY	0.1212, 0.0393, 0.0156
CMYK	0.11, 0.02, 0.00, 0.02
HSL	193°, 77%, 93%
HSV	193°, 11%, 98%
XYZ	80.8286, 88.1171, 104.0317
YIQ	239.4050, -14.4420, -2.5860

Conversions

Conversions Part 2

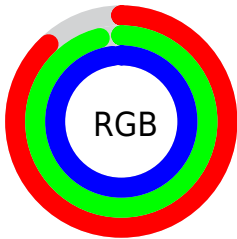
Format	Color
R _Y B	224, 236, 251
Decimal	14743035
CIE Lab	95.21, -5.64, -5.24
CIE LCh	95, 7.704, 222.885
Yxy	88.1171, 0.2961, 0.3228
Android (android.graphics.Color)	4292933115 (0xFFE0F5FB)
YUV	239.4050, 5.7163, -13.5102
Hunter-Lab	93.8707, -10.5740, 0.0017

Details

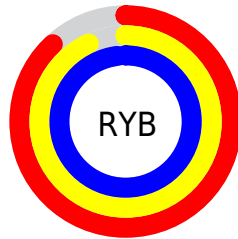
The Yxy color **88.1171, 0.2961, 0.3228** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.5684, 0.3312, 0.3351**, and the grayscale version is **86.6254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7703, 0.2924, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **81.0437, 0.2809, 0.3164**, and if you desaturate by 10%, it is **95.8938, 0.3116, 0.3286**.

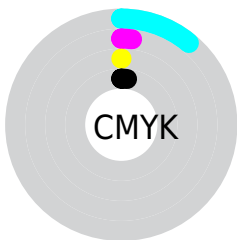
Distribution



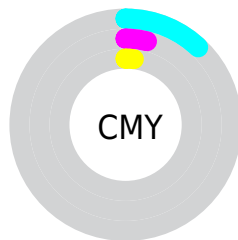
- Red (88%)
- Green (96%)
- Blue (98%)



- Red (88%)
- Yellow (93%)
- Blue (98%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)





- Cyan (12%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1171, 0.2961, 0.3228 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 88.1171, 0.2961, 0.3228 by changing the saturation by 10% instead.


 88.1171, 0.2961,
0.3228

 88.1171, 0.2961,
0.3228


521.8866, 0.3035,
0.3256

 66.4201, 0.2945,
0.3222


144.7202, 0.2986,
0.3238

 48.6135, 0.2925,
0.3214

180.3950, 0.2996,
0.3242

 34.3130, 0.2900,
0.3204


221.4978, 0.3005,
0.3245

 23.1341, 0.2869,
0.3191

268.4131, 0.3012,
0.3248

 14.6926, 0.2828,
0.3175

321.5253, 0.3019,
0.3250

 8.6039, 0.2771,
0.3151

381.2186, 0.3025,

 4.4837, 0.2687,

0.3252

447.8776, 0.3030,
0.3254

0.3115

1.9477, 0.2552,
0.3054

0.5768, 0.2071,
0.2910

88.1171, 0.2961,
0.3228

88.1171, 0.2961,
0.3228

81.0437, 0.2809,
0.3164

95.8938, 0.3116,
0.3286

74.6357, 0.2662,
0.3095

99.7464, 0.3150,
0.3328

68.8682, 0.2524,
0.3021

63.7102, 0.2399,
0.2943

■ 59.1276, 0.2288,
0.2862

■ 55.0827, 0.2196,
0.2779

■ 51.5321, 0.2124,
0.2695

■ 48.4241, 0.2071,
0.2611

■ 45.8622, 0.2038,
0.2535

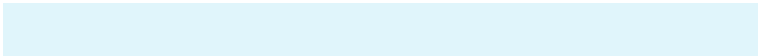
Harmonies

Analogous

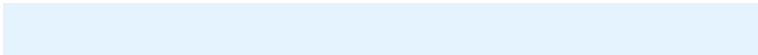
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1171, 0.2997, 0.3306



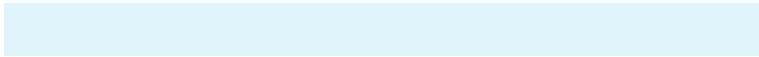
88.1171, 0.2961, 0.3228



88.1171, 0.2969, 0.3168

Triad

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



88.1171, 0.2961, 0.3228



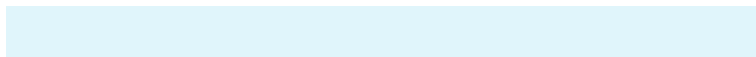
88.1171, 0.3186, 0.3202



88.1171, 0.3236, 0.3441

Complementary

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



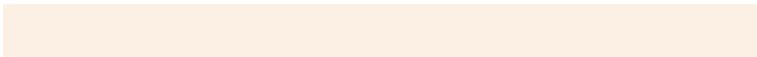
88.1171, 0.2961, 0.3228



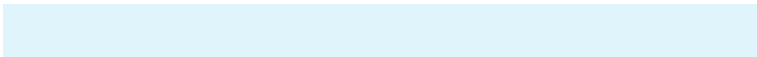
82.5684, 0.3312, 0.3351

Split Complementary

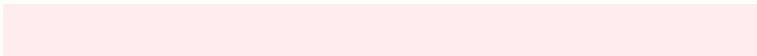
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1171, 0.3288, 0.3410



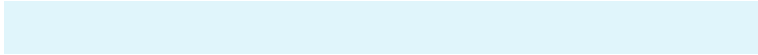
88.1171, 0.2961, 0.3228



88.1171, 0.3259, 0.3273

Square

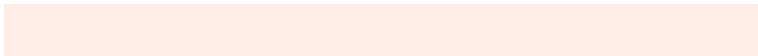
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1171, 0.2961, 0.3228



88.1171, 0.3098, 0.3155



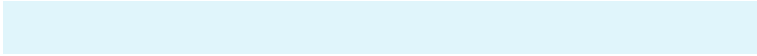
88.1171, 0.3296, 0.3349



88.1171, 0.3155, 0.3430

Rectangle

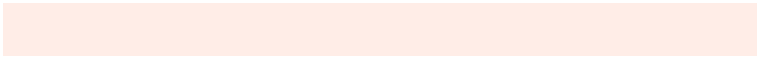
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.1171, 0.2961, 0.3228



88.1171, 0.2998, 0.3147



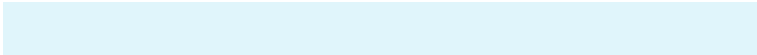
88.1171, 0.3296, 0.3349



88.1171, 0.3257, 0.3435

Sweetspot

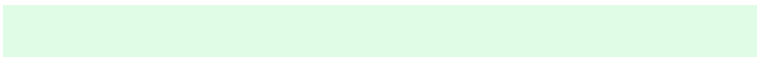
The Sweet Spot groups the original color and five complimentary colors.



88.1208, 0.2961, 0.3228



97.4876, 0.3081, 0.3273



90.5790, 0.3080, 0.3508



20.7251, 0.3068, 0.3269



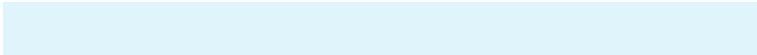
0.0000, 0.0000, 0.0000



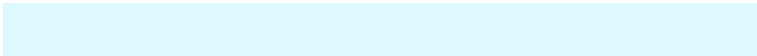
21.4041, 0.3127, 0.3290

Same Dimension

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



88.1208, 0.2961, 0.3228



89.5917, 0.2926, 0.3214



80.3852, 0.2959, 0.3091



18.9091, 0.2980, 0.3236



24.3304, 0.2041, 0.2549



2.4098, 0.2069, 0.2648

Inverse Universe

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



80.4652, 0.3179, 0.3084



80.1731, 0.3191, 0.3038



90.2360, 0.3296, 0.3482



17.4540, 0.3172, 0.3108



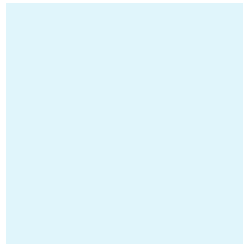
12.8671, 0.3874, 0.1908



1.2075, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 88.1171, 0.2961, 0.3228 looks on a white background.

Color Contrast Check

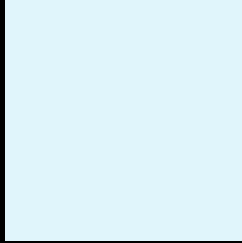
Large Text (above 18pt) WCAG AA × Fail

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 88.1171, 0.2961, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

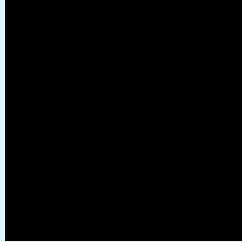
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

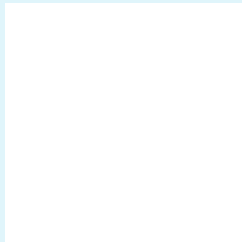
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.1171, 0.2961, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 88.1171, 0.2961, 0.3228.

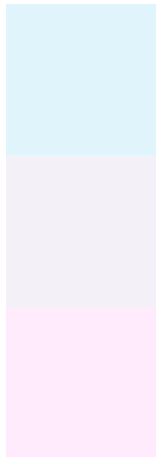


This preview shows how white text looks on a background with the Yxy color 88.1171, 0.2961, 0.3228.

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

88.1171, 0.2961, 0.3228

Protanopia

88.1522, 0.3098, 0.3211

Deuteranopia

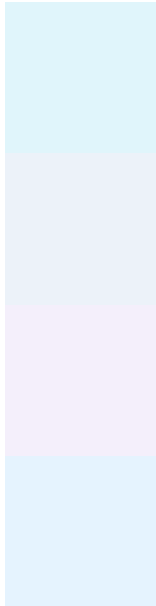
87.6417, 0.3161, 0.3135



Tritanopia

87.8801, 0.2987, 0.3159

Trichromacy



Original Color

88.1171, 0.2961, 0.3228

Protanomaly

88.1767, 0.3047, 0.3220

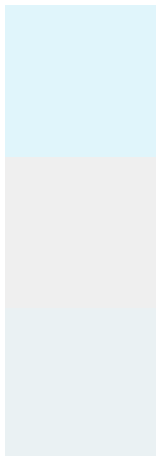
Deuteranomaly

87.9311, 0.3087, 0.3172

Tritanomaly

87.9150, 0.2974, 0.3179

Monochromacy



Original Color

88.1171, 0.2961, 0.3228

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.8741, 0.3070, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1171, 0.2961, 0.3228 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(224, 245, 251)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 245, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 245, 251) }
```

Border

The CSS property to change the border of an element to Yxy 88.1171, 0.2961, 0.3228 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(224, 245, 251) }
```

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

```
.border{ border-color:rgb(224, 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(224, 245, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 245, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 245, 251);  
box-shadow:4px 4px 4px 4px rgb(224, 245,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1171, 0.2961, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 245, 251) }
```

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

```
.background{ background-color: rgb(224,  
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](#).

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