

Converting Colors

$Yxy(88.1177, 0.2741, 0.3366)$

Have a look what the booklet for
Yxy(88.1177, 0.2741, 0.3366)
contains.

Yxy(88.1211, 0.2740, 0.3365)	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(88.1211, 0.2740, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFF8
RGB	181, 255, 248
RGB Percent	71%, 100%, 97%
CMY	0.2902, 0.0000, 0.0276
CMYK	0.29, 0.00, 0.03, 0.00
HSL	174°, 100%, 85%
HSV	174°, 29%, 100%
XYZ	71.7539, 88.1211, 102.0005
YIQ	232.0760, -41.8570, -17.8650

Conversions

Conversions Part 2

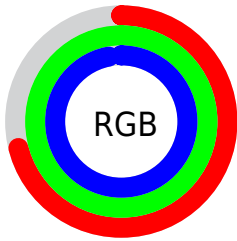
Format	Color
R _Y B	181, 220, 255
Decimal	11927544
CIE Lab	95.21, -24.09, -3.95
CIE LCh	95, 24.410, 189.311
Yxy	88.1211, 0.2740, 0.3365
Android (android.graphics.Color)	4290117624 (0xFFB5FFF8)
YUV	232.0760, 7.8505, -44.7937
Hunter-Lab	93.8728, -27.8369, 1.2876

Details

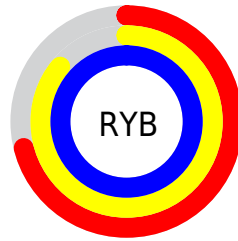
The Yxy color **88.1211, 0.2740, 0.3365** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.9409, 0.3713, 0.3218**, and the grayscale version is **80.7157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **48.6296, 0.2657, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **85.1635, 0.2628, 0.3395**, and if you desaturate by 10%, it is **91.6401, 0.2865, 0.3337**.

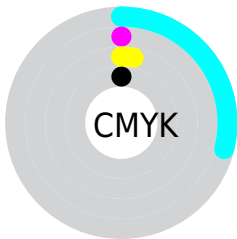
Distribution



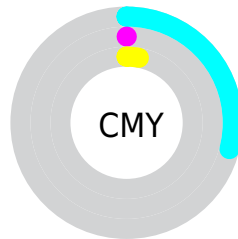
- Red (71%)
- Green (100%)
- Blue (97%)



- Red (71%)
- Yellow (86%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1211, 0.2740, 0.3365 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 88.1211, 0.2740, 0.3365 by changing the saturation by 10% instead.


 88.1211, 0.2740,
0.3365

 88.1211, 0.2740,
0.3365


521.8997, 0.2912,
0.3333

 66.4234, 0.2702,
0.3372


 144.7257, 0.2798,
0.3355

 48.6162, 0.2657,
0.3379


180.4014, 0.2821,
0.3350

 34.3151, 0.2601,
0.3389


221.5052, 0.2841,
0.3347

 23.1358, 0.2529,
0.3400

268.4216, 0.2859,
0.3343

 14.6938, 0.2435,
0.3414

321.5348, 0.2874,
0.3341

 8.6048, 0.2307,
0.3432

381.2293, 0.2888,

 4.4843, 0.2121,

0.3338

0.3455

447.8895, 0.2900,
0.3336

1.9480, 0.1831,
0.3481

0.5770, 0.0000,
0.3895

88.1211, 0.2740,
0.3365

88.1211, 0.2740,
0.3365

85.1635, 0.2628,
0.3395

91.6401, 0.2865,
0.3337


82.7436, 0.2532,
0.3426

95.7559, 0.3000,
0.3311

80.8251, 0.2454,
0.3458

100.0000, 0.3127,
0.3290

79.3705, 0.2395,
0.3491

 78.3369, 0.2356,
0.3524

 77.6733, 0.2336,
0.3557

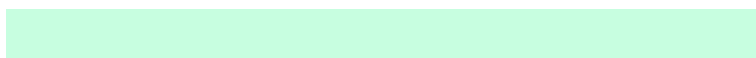
 77.3045, 0.2331,
0.3589

 77.2749, 0.2331,
0.3592

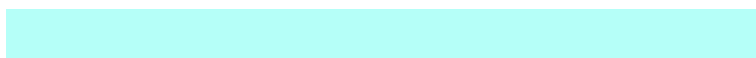
Harmonies

Analogous

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



88.1211, 0.2965, 0.3611



88.1211, 0.2740, 0.3365



88.1211, 0.2619, 0.3109

Triad

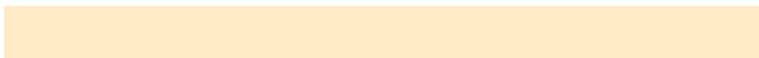
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1211, 0.2740, 0.3365



88.1211, 0.2997, 0.2866



88.1211, 0.3650, 0.3640

Complementary

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



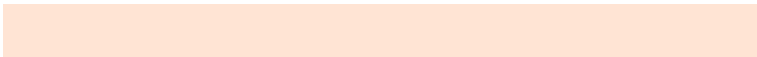
88.1211, 0.2740, 0.3365



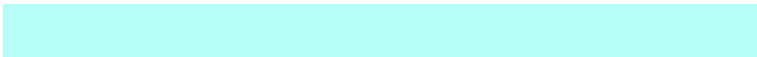
57.9409, 0.3713, 0.3218

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.



88.1211, 0.3663, 0.3432



88.1211, 0.2740, 0.3365



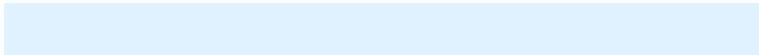
88.1211, 0.3277, 0.2998

Square

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



88.1211, 0.2740, 0.3365



88.1211, 0.2762, 0.2835



88.1211, 0.3525, 0.3201



88.1211, 0.3492, 0.3766

Rectangle

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



88.1211, 0.2740, 0.3365



88.1211, 0.2610, 0.2972



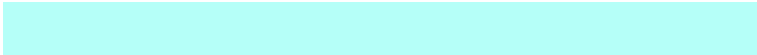
88.1211, 0.3525, 0.3201



88.1211, 0.3672, 0.3577

Sweetspot

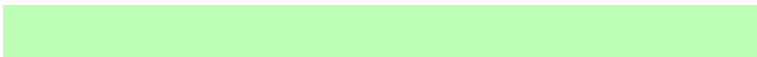
The Sweet Spot groups the original color and five complimentary colors.



88.1188, 0.2740, 0.3365



95.7643, 0.3000, 0.3311



85.5986, 0.3132, 0.4128



20.3612, 0.2980, 0.3315



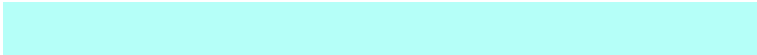
0.0000, 0.0000, 0.0000



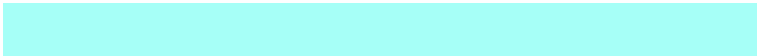
21.4041, 0.3127, 0.3290

Same Dimension

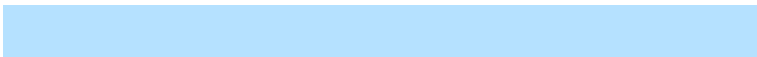
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1188, 0.2740, 0.3365



86.2852, 0.2671, 0.3382



71.1111, 0.2670, 0.2960



20.4499, 0.2993, 0.3313



40.3900, 0.2330, 0.3587



3.9410, 0.2319, 0.3550

Inverse Universe

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



57.9409, 0.3713, 0.3218



51.5070, 0.3886, 0.3203



70.9867, 0.3688, 0.3597



18.0151, 0.3279, 0.3268



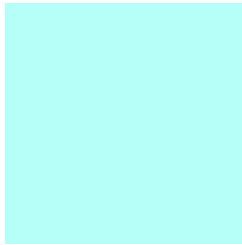
11.1531, 0.6296, 0.3242



1.0949, 0.6091, 0.3129

Previews

White Background



This preview shows how the Yxy color 88.1211, 0.2740, 0.3365 looks on a white background.

Color Contrast Check

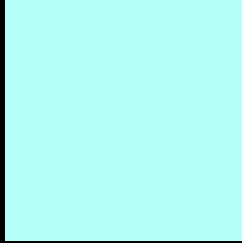
Large Text (above 18pt) WCAG AA × Fail

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 88.1211, 0.2740, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

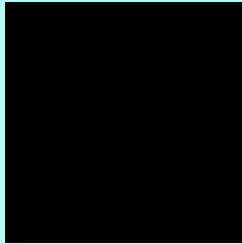
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

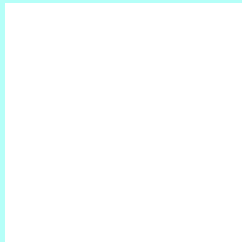
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.1211, 0.2740, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 88.1211, 0.2740, 0.3365.

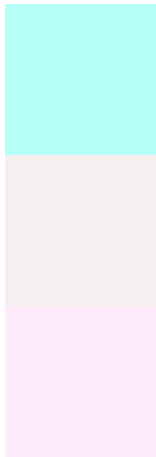


This preview shows how white text looks on a background with the Yxy color 88.1211, 0.2740, 0.3365.

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

88.1211, 0.2740, 0.3365

Protanopia

87.3775, 0.3167, 0.3290

Deuteranopia

87.0078, 0.3168, 0.3135



Tritanopia

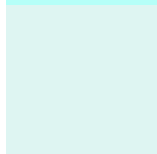
87.4302, 0.2902, 0.3187

Trichromacy



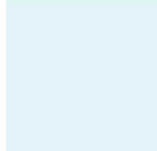
Original Color

88.1211, 0.2740, 0.3365



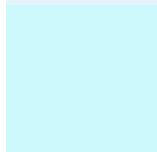
Protanomaly

87.2452, 0.2999, 0.3321



Deuteranomaly

86.8378, 0.2996, 0.3219



Tritanomaly

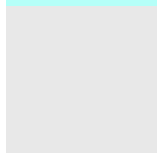
87.7588, 0.2844, 0.3258

Monochromacy



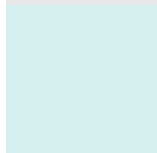
Original Color

88.1211, 0.2740, 0.3365



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6394, 0.2966, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1211, 0.2740, 0.3365 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(181, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 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(181, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 88.1211, 0.2740, 0.3365 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(181, 255, 248) }
```

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

```
.border{ border-color:rgb(181, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1211, 0.2740, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 248) }
```

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

```
.background{ background-color: rgb(181,  
255, 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](#).

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