

Converting Colors

$Y_{xy}(100.0000, 0.2753, 0.3484)$

Have a look what the booklet for
Yxy(100.0000, 0.2753, 0.3484)
contains.

Yxy(88.9261, 0.2736, 0.3310)	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(88.9261, 0.2736, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFFD
RGB	185, 255, 253
RGB Percent	73%, 100%, 99%
CMY	0.2744, 0.0000, 0.0078
CMYK	0.27, 0.00, 0.01, 0.00
HSL	178°, 100%, 86%
HSV	178°, 27%, 100%
XYZ	73.5051, 88.9261, 106.2277
YIQ	233.8420, -41.0780, -15.4620

Conversions

Conversions Part 2

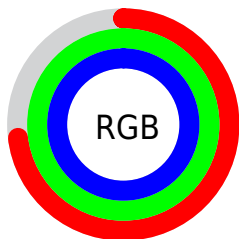
Format	Color
RYB	185, 221, 255
Decimal	12189693
CIELab	95.55, -21.87, -6.03
CIELCh	96, 22.687, 195.425
Yxy	88.9261, 0.2736, 0.3310
Android (android.graphics.Color)	4290379773 (0xFFB9FFFD)
YUV	233.8420, 9.4449, -42.8344
Hunter-Lab	94.3006, -25.8897, -0.7785

Details

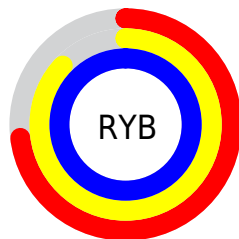
The Yxy color **88.9261, 0.2736, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.5628, 0.3711, 0.3271**, and the grayscale version is **82.1125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **49.1195, 0.2658, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **85.9907, 0.2616, 0.3318**, and if you desaturate by 10%, it is **92.4376, 0.2870, 0.3302**.

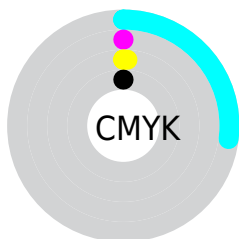
Distribution



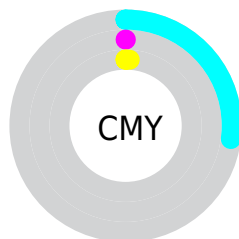
- Red (73%)
- Green (100%)
- Blue (99%)



- Red (73%)
- Yellow (87%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9261, 0.2736, 0.3310 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 88.9261, 0.2736, 0.3310 by changing the saturation by 10% instead.


 88.9261, 0.2736,
0.3310

 88.9261, 0.2736,
0.3310


524.5313, 0.2909,
0.3304

 67.0903, 0.2698,
0.3311


 145.8458, 0.2794,
0.3308

 49.1580, 0.2653,
0.3312


181.6985, 0.2818,
0.3307

 34.7448, 0.2596,
0.3312


222.9923, 0.2838,
0.3307

 23.4664, 0.2525,
0.3313

270.1115, 0.2855,
0.3306

 14.9383, 0.2432,
0.3312

323.4407, 0.2871,
0.3305

 8.7761, 0.2304,
0.3308

383.3641, 0.2885,

 4.5954, 0.2122,

0.3305

0.3299

450.2661, 0.2897,
0.3304

■ 2.0119, 0.1839,
0.3274

■ 0.6144, 0.0284,
0.3489

■ 88.9261, 0.2736,
0.3310

■ 88.9261, 0.2736,
0.3310

■ 85.9907, 0.2616,
0.3318

■ 92.4376, 0.2870,
0.3302

■ 83.5903, 0.2512,
0.3327

■ 96.5426, 0.3015,
0.3295

■ 81.6951, 0.2426,
0.3336

■ 99.9978, 0.3127,
0.3290

■ 80.2683, 0.2359,
0.3346

■ 79.2680, 0.2312,
0.3355

■ 78.6447, 0.2284,
0.3364

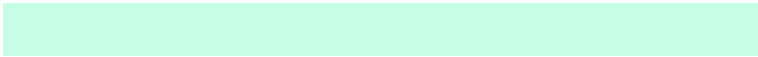
■ 78.3342, 0.2273,
0.3373

■ 78.2805, 0.2271,
0.3376

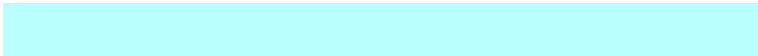
Harmonies

Analogous

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



88.9261, 0.2929, 0.3545



88.9261, 0.2736, 0.3310



88.9261, 0.2647, 0.3081

Triad

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



88.9261, 0.2736, 0.3310



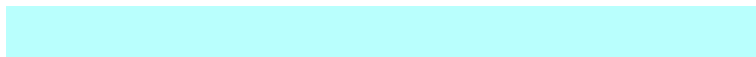
88.9261, 0.3058, 0.2914



88.9261, 0.3592, 0.3648

Complementary

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



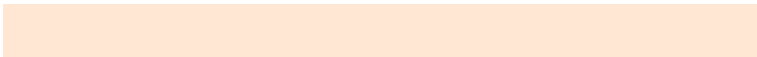
88.9261, 0.2736, 0.3310



59.5628, 0.3711, 0.3271

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.



88.9261, 0.3633, 0.3466



88.9261, 0.2736, 0.3310



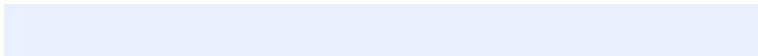
88.9261, 0.3318, 0.3053

Square

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



88.9261, 0.2736, 0.3310



88.9261, 0.2827, 0.2865



88.9261, 0.3531, 0.3251



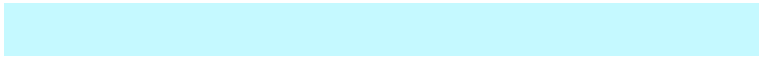
88.9261, 0.3423, 0.3741

Rectangle

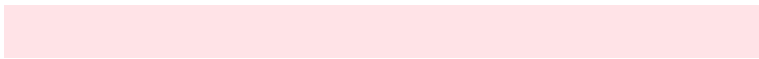
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.9261, 0.2736, 0.3310



88.9261, 0.2655, 0.2964



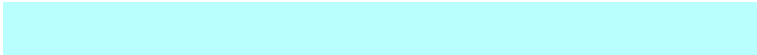
88.9261, 0.3531, 0.3251



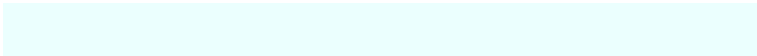
88.9261, 0.3621, 0.3594

Sweetspot

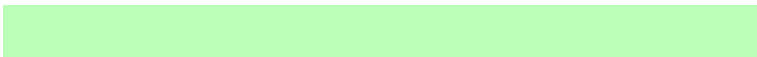
The Sweet Spot groups the original color and five complimentary colors.



88.9297, 0.2736, 0.3310



96.2969, 0.3006, 0.3295



85.6340, 0.3104, 0.4083



20.4721, 0.2984, 0.3296



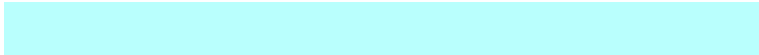
0.0000, 0.0000, 0.0000



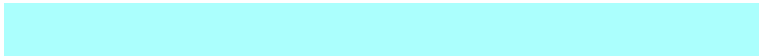
21.4041, 0.3127, 0.3290

Same Dimension

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



88.9297, 0.2736, 0.3310



87.2283, 0.2667, 0.3315



69.9677, 0.2690, 0.2928



20.4721, 0.2984, 0.3296



40.9085, 0.2271, 0.3374



3.9858, 0.2268, 0.3364

Inverse Universe

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



59.5628, 0.3711, 0.3271



53.3555, 0.3879, 0.3267



74.7440, 0.3638, 0.3626



17.9954, 0.3290, 0.3284



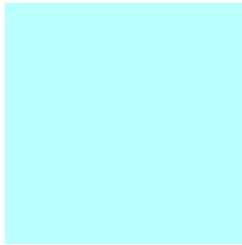
11.1207, 0.6372, 0.3284



1.0856, 0.6304, 0.3246

Previews

White Background



This preview shows how the Yxy color 88.9261, 0.2736, 0.3310 looks on a white background.

Color Contrast Check

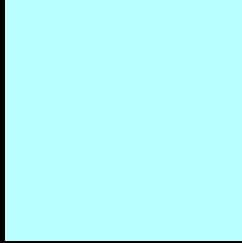
Large Text (above 18pt) WCAG AA × Fail

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 88.9261, 0.2736, 0.3310 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

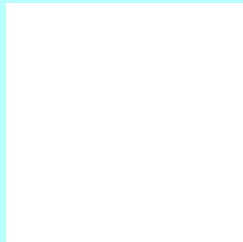
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.9261, 0.2736, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 88.9261, 0.2736, 0.3310.

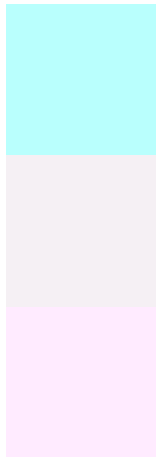


This preview shows how white text looks on a background with the Yxy color 88.9261, 0.2736, 0.3310.

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

88.9261, 0.2736, 0.3310

Protanopia

88.2643, 0.3136, 0.3250

Deuteranopia

87.8967, 0.3136, 0.3097



Tritanopia

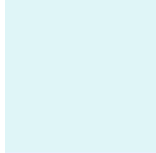
88.5037, 0.2920, 0.3198

Trichromacy



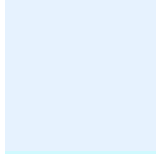
Original Color

88.9261, 0.2736, 0.3310



Protanomaly

87.7082, 0.2977, 0.3269



Deuteranomaly

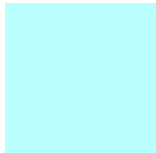
87.4830, 0.2980, 0.3169



Tritanomaly

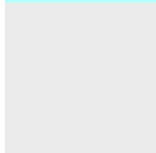
88.3170, 0.2851, 0.3237

Monochromacy



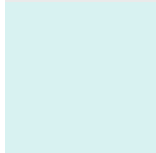
Original Color

88.9261, 0.2736, 0.3310



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4541, 0.2968, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9261, 0.2736, 0.3310 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(185, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 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(185, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 88.9261, 0.2736, 0.3310 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(185, 255, 253) }
```

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

```
.border{ border-color:rgb(185, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9261, 0.2736, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 253) }
```

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

```
.background{ background-color: rgb(185,  
255, 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