

Converting Colors

$Y_{xy}(100.0000, 0.2806, 0.3532)$

Have a look what the booklet for
Yxy(100.0000, 0.2806, 0.3532)
contains.

Yxy(89.3737, 0.2792, 0.3364)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.3737, 0.2792, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFF8
RGB	191, 255, 248
RGB Percent	75%, 100%, 97%
CMY	0.2512, 0.0000, 0.0276
CMYK	0.25, 0.00, 0.03, 0.00
HSL	173°, 100%, 87%
HSV	173°, 25%, 100%
XYZ	74.1770, 89.3737, 102.1262
YIQ	235.0660, -35.8970, -15.7450

Conversions

Conversions Part 2

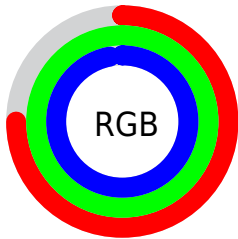
Format	Color
R_{YB}	191, 225, 255
Decimal	12582904
CIE _{Lab}	95.74, -21.28, -3.13
CIE _{LCh}	96, 21.509, 188.355
Yxy	89.3737, 0.2792, 0.3364
Android (android.graphics.Color)	4290772984 (0xFFBFFFF8)
YUV	235.0660, 6.3765, -38.6459
Hunter-Lab	94.5377, -25.3847, 2.1272

Details

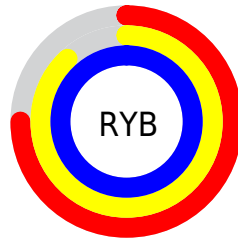
The Yxy color **89.3737, 0.2792, 0.3364** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5786, 0.3603, 0.3219**, and the grayscale version is **83.0881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **49.4282, 0.2719, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **86.1717, 0.2676, 0.3397**, and if you desaturate by 10%, it is **93.1391, 0.2919, 0.3333**.

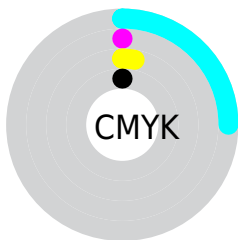
Distribution



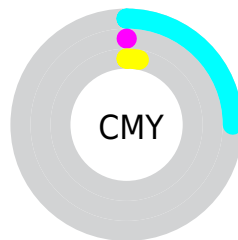
- Red (75%)
- Green (100%)
- Blue (97%)



- Red (75%)
- Yellow (88%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3737, 0.2792, 0.3364 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 89.3737, 0.2792, 0.3364 by changing the saturation by 10% instead.

 89.3737, 0.2792,
0.3364

 89.3737, 0.2792,
0.3364

525.9914, 0.2940,
0.3332

 67.4613, 0.2760,
0.3371

 146.4681, 0.2842,
0.3353

 49.4596, 0.2720,
0.3379


182.4190, 0.2862,
0.3349

 34.9842, 0.2671,
0.3388

223.8181, 0.2879,
0.3346

 23.6507, 0.2609,
0.3400

271.0498, 0.2895,
0.3342

 15.0747, 0.2528,
0.3416

324.4986, 0.2908,
0.3339

 8.8718, 0.2417,
0.3435

384.5489, 0.2920,

 4.6577, 0.2256,

0.3337

0.3462

451.5850, 0.2931,
0.3335

■ 2.0478, 0.2002,
0.3498

■ 0.6351, 0.0516,
0.3898

■ 89.3737, 0.2792,
0.3364

■ 89.3737, 0.2792,
0.3364

■ 86.1717, 0.2676,
0.3397

■ 93.1391, 0.2919,
0.3333

■ 83.5253, 0.2575,
0.3433

■ 97.5176, 0.3055,
0.3304

■ 81.3946, 0.2491,
0.3470

100.0000, 0.3127,
0.3290

■ 79.7436, 0.2425,
0.3508

■ 78.5317, 0.2379,
0.3546

■ 77.7116, 0.2353,
0.3585

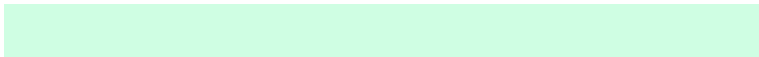
■ 77.2248, 0.2345,
0.3623

■ 77.0676, 0.2345,
0.3641

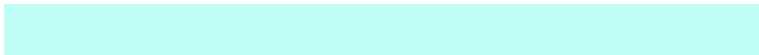
Harmonies

Analogous

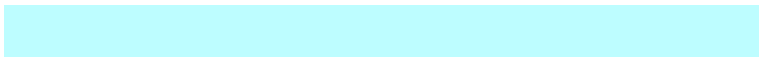
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3737, 0.2993, 0.3576



89.3737, 0.2792, 0.3364



89.3737, 0.2681, 0.3139

Triad

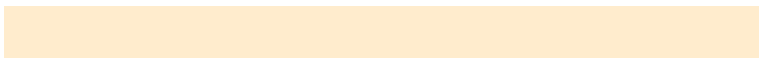
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3737, 0.2792, 0.3364



89.3737, 0.3006, 0.2914



89.3737, 0.3588, 0.3595

Complementary

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



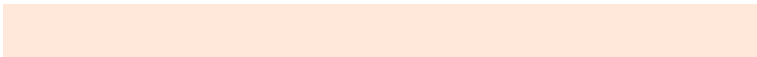
89.3737, 0.2792, 0.3364



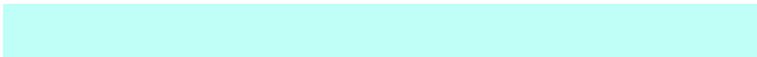
62.5786, 0.3603, 0.3219

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.



89.3737, 0.3595, 0.3411



89.3737, 0.2792, 0.3364



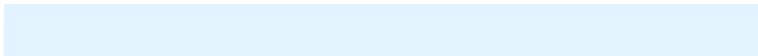
89.3737, 0.3251, 0.3028

Square

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



89.3737, 0.2792, 0.3364



89.3737, 0.2801, 0.2890



89.3737, 0.3470, 0.3206



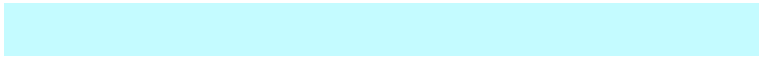
89.3737, 0.3454, 0.3706

Rectangle

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



89.3737, 0.2792, 0.3364



89.3737, 0.2670, 0.3017



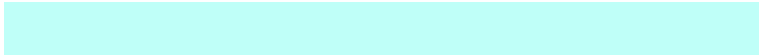
89.3737, 0.3470, 0.3206



89.3737, 0.3606, 0.3539

Sweetspot

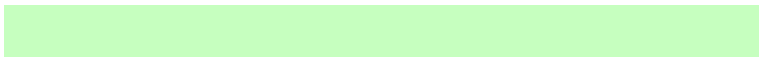
The Sweet Spot groups the original color and five complimentary colors.



89.3664, 0.2792, 0.3364



96.1909, 0.3015, 0.3312



87.3436, 0.3139, 0.3999



20.4451, 0.2995, 0.3316



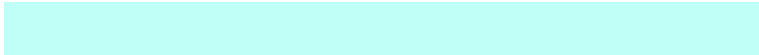
0.0000, 0.0000, 0.0000



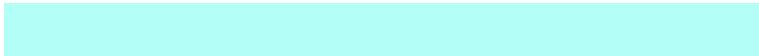
21.4041, 0.3127, 0.3290

Same Dimension

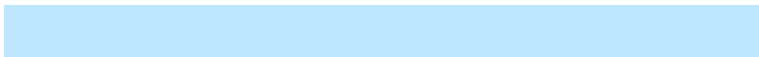
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3664, 0.2792, 0.3364



87.7355, 0.2734, 0.3380



75.1349, 0.2733, 0.3022



20.4451, 0.2995, 0.3316



40.2833, 0.2343, 0.3635



3.9316, 0.2331, 0.3592

Inverse Universe

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



62.5786, 0.3603, 0.3219



56.8833, 0.3730, 0.3204



73.8786, 0.3600, 0.3543



18.0195, 0.3277, 0.3264



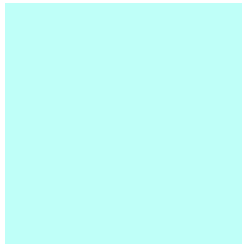
11.1629, 0.6273, 0.3229



1.0970, 0.6047, 0.3105

Previews

White Background



This preview shows how the Yxy color 89.3737, 0.2792, 0.3364 looks on a white background.

Color Contrast Check

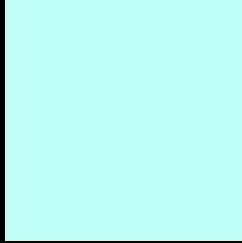
Large Text (above 18pt) WCAG AA × Fail

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 89.3737, 0.2792, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

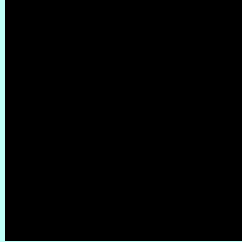
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.3737, 0.2792, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 89.3737, 0.2792, 0.3364.

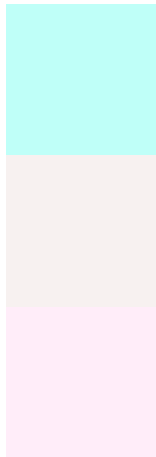


This preview shows how white text looks on a background with the Yxy color 89.3737, 0.2792, 0.3364.

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

89.3737, 0.2792, 0.3364

Protanopia

88.9760, 0.3173, 0.3300

Deuteranopia

88.6679, 0.3172, 0.3174



Tritanopia

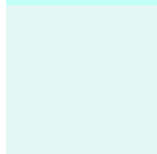
88.9788, 0.2938, 0.3198

Trichromacy



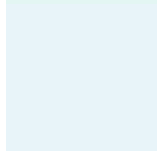
Original Color

89.3737, 0.2792, 0.3364



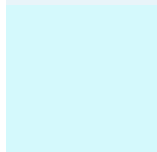
Protanomaly

88.7135, 0.3025, 0.3320



Deuteranomaly

88.6967, 0.3021, 0.3239



Tritanomaly

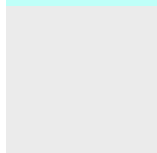
88.7767, 0.2885, 0.3258

Monochromacy



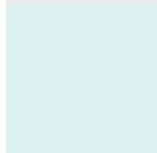
Original Color

89.3737, 0.2792, 0.3364



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8556, 0.2992, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3737, 0.2792, 0.3364 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(191, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 89.3737, 0.2792, 0.3364 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(191, 255, 248) }
```

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

```
.border{ border-color:rgb(191, 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(191, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3737, 0.2792, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 248) }
```

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

```
.background{ background-color: rgb(191,  
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