

Converting Colors

Yxy(87.6184, 0.2710, 0.3298)

Have a look what the booklet for
Yxy(87.6184, 0.2710, 0.3298)
contains.

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Color

Yxy(87.6788, 0.2709, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	B4FEFD
RGB	180, 254, 253
RGB Percent	71%, 100%, 99%
CMY	0.2944, 0.0038, 0.0079
CMYK	0.29, 0.00, 0.00, 0.00
HSL	179°, 97%, 85%
HSV	179°, 29%, 100%
XYZ	71.9763, 87.6788, 106.0382
YIQ	231.7600, -43.7830, -15.9990

Conversions

Conversions Part 2

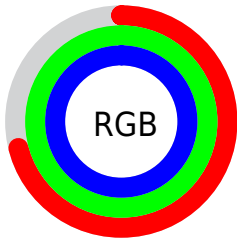
Format	Color
R _Y B	180, 217, 254
Decimal	11861757
CIE Lab	95.03, -22.81, -6.82
CIE LCh	95, 23.812, 196.642
Yxy	87.6788, 0.2709, 0.3300
Android (android.graphics.Color)	4290051837 (0xFFB4FEFD)
YUV	231.7600, 10.4713, -45.3935
Hunter-Lab	93.6370, -26.6563, -1.5965

Details

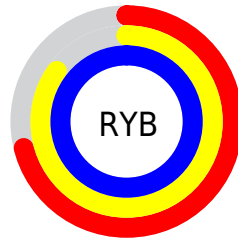
The Yxy color **87.6788, 0.2709, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.0202, 0.3770, 0.3281**, and the grayscale version is **80.4413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **48.2031, 0.2620, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **84.8867, 0.2590, 0.3304**, and if you desaturate by 10%, it is **91.0365, 0.2842, 0.3296**.

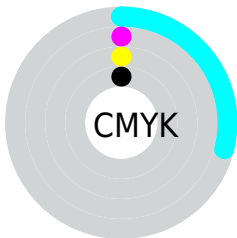
Distribution



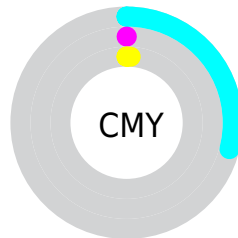
- Red (71%)
- Green (100%)
- Blue (99%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



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





- Cyan (29%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6788, 0.2709, 0.3300 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 87.6788, 0.2709, 0.3300 by changing the saturation by 10% instead.


 87.6788, 0.2709,
0.3300

 87.6788, 0.2709,
0.3300

520.4508, 0.2894,
0.3298

 66.0571, 0.2669,
0.3300

 144.1099, 0.2772,
0.3300

 48.3187, 0.2620,
0.3299


179.6881, 0.2796,
0.3300

 34.0794, 0.2559,
0.3298


220.6872, 0.2818,
0.3300

 22.9546, 0.2483,
0.3295

267.4917, 0.2837,
0.3299

 14.5600, 0.2383,
0.3291

320.4859, 0.2854,
0.3299

 8.5112, 0.2246,
0.3282

380.0542, 0.2868,

 4.4237, 0.2050,

0.3299

0.3265

446.5810, 0.2882,
0.3299

■ 1.9133, 0.1748,
0.3223

■ 0.5564, 0.0000,
0.3385

■ 87.6788, 0.2709,
0.3300

■ 87.6788, 0.2709,
0.3300

■ 84.8867, 0.2590,
0.3304

■ 91.0365, 0.2842,
0.3296

■ 82.6192, 0.2488,
0.3308

■ 94.9775, 0.2987,
0.3293

■ 80.8462, 0.2404,
0.3313

■ 99.3174, 0.3133,
0.3290

■ 79.5304, 0.2341,
0.3317

■ 99.3403, 0.3131,
0.3286

■ 78.6293, 0.2296,
0.3322

99.3634, 0.3129,
0.3283

■ 78.0923, 0.2270,
0.3326

99.3782, 0.3128,
0.3281

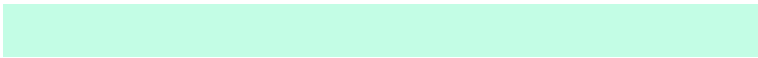
■ 77.8433, 0.2259,
0.3331

■ 77.8279, 0.2259,
0.3331

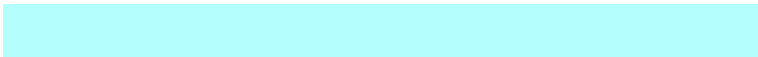
Harmonies

Analogous

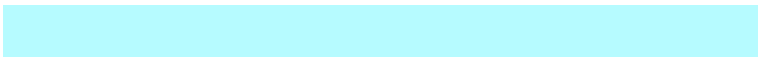
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6788, 0.2908, 0.3550



87.6788, 0.2709, 0.3300



87.6788, 0.2620, 0.3060

Triad

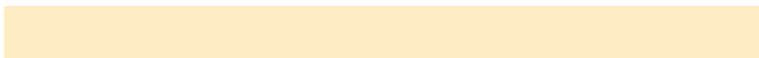
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6788, 0.2709, 0.3300



87.6788, 0.3065, 0.2899



87.6788, 0.3612, 0.3672

Complementary

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



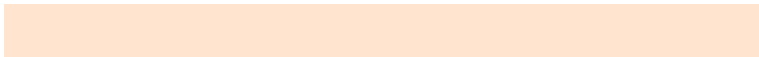
87.6788, 0.2709, 0.3300



57.0202, 0.3770, 0.3281

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.



87.6788, 0.3662, 0.3484



87.6788, 0.2709, 0.3300



87.6788, 0.3339, 0.3048

Square

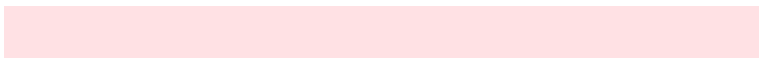
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6788, 0.2709, 0.3300



87.6788, 0.2819, 0.2842



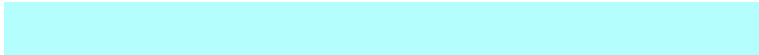
87.6788, 0.3561, 0.3258



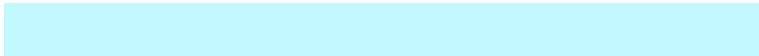
87.6788, 0.3430, 0.3767

Rectangle

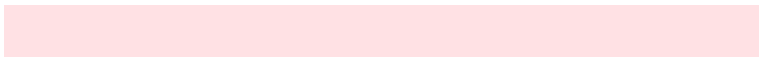
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6788, 0.2709, 0.3300



87.6788, 0.2632, 0.2940



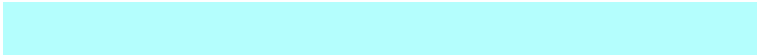
87.6788, 0.3561, 0.3258



87.6788, 0.3646, 0.3617

Sweetspot

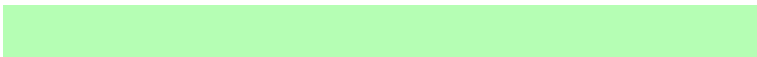
The Sweet Spot groups the original color and five complimentary colors.



87.6823, 0.2709, 0.3300



95.8833, 0.2990, 0.3293



84.0328, 0.3094, 0.4143



20.3907, 0.2968, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

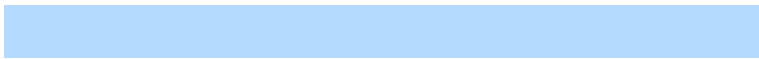
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6823, 0.2709, 0.3300



86.7391, 0.2638, 0.3302



67.1009, 0.2660, 0.2887



20.4768, 0.2982, 0.3293



41.0254, 0.2258, 0.3330



3.9959, 0.2257, 0.3325

Inverse Universe

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



57.0202, 0.3770, 0.3281



51.2320, 0.3956, 0.3279



73.3440, 0.3673, 0.3661



17.9912, 0.3292, 0.3287



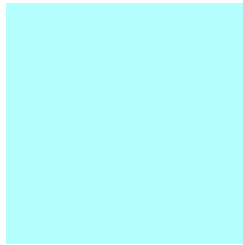
11.1147, 0.6386, 0.3292



1.0836, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 87.6788, 0.2709, 0.3300 looks on a white background.

Color Contrast Check

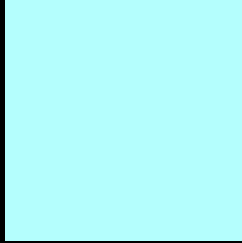
Large Text (above 18pt) WCAG AA × Fail

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 87.6788, 0.2709, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

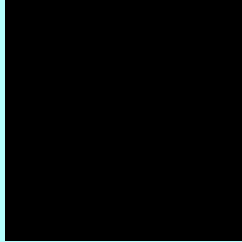
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6788, 0.2709, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 87.6788, 0.2709, 0.3300.

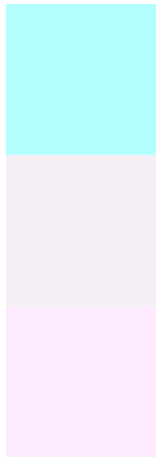


This preview shows how white text looks on a background with the Yxy color 87.6788, 0.2709, 0.3300.

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

87.6788, 0.2709, 0.3300

Protanopia

87.3193, 0.3123, 0.3240

Deuteranopia

86.9483, 0.3123, 0.3087



Tritanopia

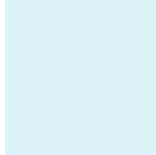
87.1237, 0.2890, 0.3187

Trichromacy



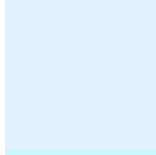
Original Color

87.6788, 0.2709, 0.3300



Protanomaly

86.6324, 0.2959, 0.3259



Deuteranomaly

86.2351, 0.2955, 0.3158



Tritanomaly

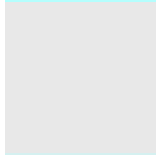
86.9871, 0.2822, 0.3226

Monochromacy



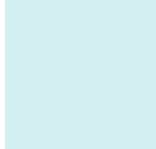
Original Color

87.6788, 0.2709, 0.3300



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7576, 0.2954, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6788, 0.2709, 0.3300 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(180, 254, 253)` looks like.

```
.text, #text, p{  
    color:rgb(180, 254, 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(180, 254, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 254, 253) }
```

Border

The CSS property to change the border of an element to Yxy 87.6788, 0.2709, 0.3300 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(180, 254, 253) }
```

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

```
.border{ border-color:rgb(180, 254, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 254, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 254, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 254, 253);  
box-shadow:4px 4px 4px 4px rgb(180, 254,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6788, 0.2709, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 254, 253) }
```

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

```
.background{ background-color: rgb(180,  
254, 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](#).

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