

Converting Colors

Yxy(87.2626, 0.2716, 0.3163)

Have a look what the booklet for
Yxy(87.2626, 0.2716, 0.3163)
contains.

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Color

Yxy(86.6676, 0.2752, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	BFFAFF
RGB	191, 250, 255
RGB Percent	75%, 98%, 100%
CMY	0.2513, 0.0195, 0.0000
CMYK	0.25, 0.02, 0.00, 0.00
HSL	185°, 100%, 87%
HSV	185°, 25%, 100%
XYZ	73.7050, 86.6676, 107.4507
YIQ	232.9290, -36.7690, -10.9530

Conversions

Conversions Part 2

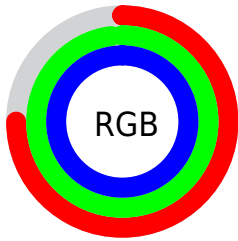
Format	Color
R_{YB}	191, 222, 255
Decimal	12581631
CIE _{Lab}	94.60, -17.35, -8.43
CIE _{LCh}	95, 19.290, 205.928
Yxy	86.6676, 0.2752, 0.3236
Android (android.graphics.Color)	4290771711 (0xFFBFFAFF)
YUV	232.9290, 10.8810, -36.7717
Hunter-Lab	93.0954, -21.5961, -3.2657

Details

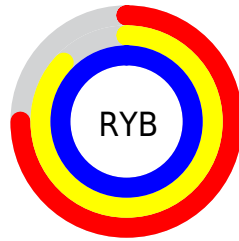
The Yxy color **86.6676, 0.2752, 0.3236** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4490, 0.3649, 0.3343**, and the grayscale version is **81.3567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **47.4514, 0.2675, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **82.4252, 0.2620, 0.3212**, and if you desaturate by 10%, it is **91.5053, 0.2895, 0.3259**.

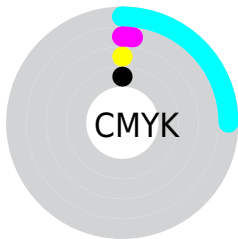
Distribution



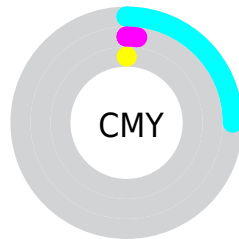
- Red (75%)
- Green (98%)
- Blue (100%)



- Red (75%)
- Yellow (87%)
- Blue (100%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6676, 0.2752, 0.3236 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 86.6676, 0.2752, 0.3236 by changing the saturation by 10% instead.

 86.6676, 0.2752,
0.3236

 86.6676, 0.2752,
0.3236


517.1300, 0.2918,
0.3263

 65.2202, 0.2716,
0.3230


 142.7007, 0.2808,
0.3246

 47.6396, 0.2672,
0.3221


178.0552, 0.2831,
0.3249

 33.5416, 0.2617,
0.3211


218.8142, 0.2850,
0.3252

 22.5417, 0.2548,
0.3197

265.3620, 0.2867,
0.3255

 14.2554, 0.2457,
0.3177

318.0831, 0.2882,
0.3257

 8.2985, 0.2333,
0.3147

377.3619, 0.2895,

 4.2866, 0.2154,

0.3259

0.3099

443.5827, 0.2907,
0.3261

1.8351, 0.1874,
0.3011

0.5089, 0.0349,
0.2951

86.6676, 0.2752,
0.3236

86.6676, 0.2752,
0.3236

82.4252, 0.2620,
0.3212

91.5053, 0.2895,
0.3259

78.7378, 0.2502,
0.3186

96.9556, 0.3047,
0.3280

75.5763, 0.2401,
0.3160

100.0000, 0.3127,
0.3290

72.9047, 0.2318,
0.3133

■ 70.6824, 0.2255,
0.3106

■ 68.8620, 0.2212,
0.3079

■ 67.3850, 0.2186,
0.3053

■ 66.7496, 0.2178,
0.3040

Harmonies

Analogous

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



86.6676, 0.2891, 0.3442



86.6676, 0.2752, 0.3236



86.6676, 0.2711, 0.3055

Triad

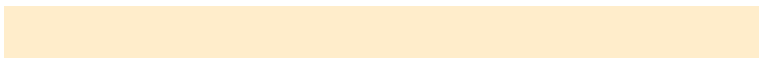
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6676, 0.2752, 0.3236



86.6676, 0.3147, 0.2999



86.6676, 0.3486, 0.3636

Complementary

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



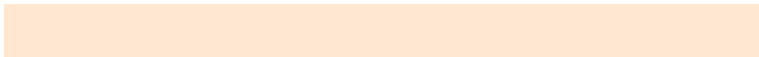
86.6676, 0.2752, 0.3236



64.4490, 0.3649, 0.3343

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.



86.6676, 0.3562, 0.3504



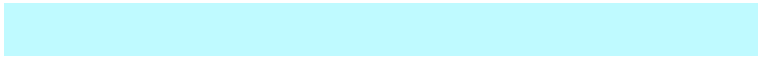
86.6676, 0.2752, 0.3236



86.6676, 0.3363, 0.3142

Square

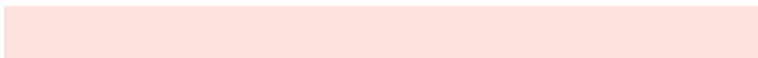
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6676, 0.2752, 0.3236



86.6676, 0.2933, 0.2928



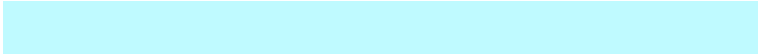
86.6676, 0.3517, 0.3324



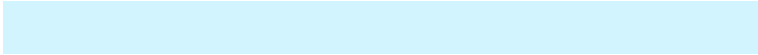
86.6676, 0.3314, 0.3678

Rectangle

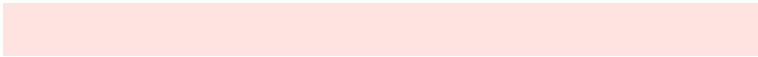
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6676, 0.2752, 0.3236



86.6676, 0.2742, 0.2972



86.6676, 0.3517, 0.3324



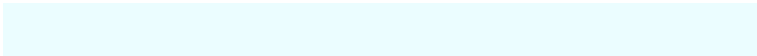
86.6676, 0.3524, 0.3600

Sweetspot

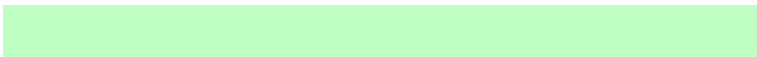
The Sweet Spot groups the original color and five complimentary colors.



86.6711, 0.2752, 0.3236



95.3275, 0.3003, 0.3274



86.5340, 0.3070, 0.3960



20.2257, 0.2980, 0.3271



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.



86.6711, 0.2752, 0.3236



84.5321, 0.2686, 0.3224



68.7844, 0.2721, 0.2890



20.2257, 0.2980, 0.3271



34.9795, 0.2179, 0.3045



3.4747, 0.2188, 0.3075

Inverse Universe

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



65.3883, 0.3193, 0.2707



60.1434, 0.3207, 0.2594



80.0819, 0.3572, 0.3660



18.2746, 0.3150, 0.3074



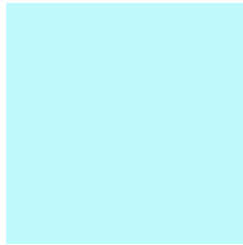
14.2592, 0.3415, 0.1655



1.3953, 0.3389, 0.1640

Previews

White Background



This preview shows how the Yxy color 86.6676, 0.2752, 0.3236 looks on a white background.

Color Contrast Check

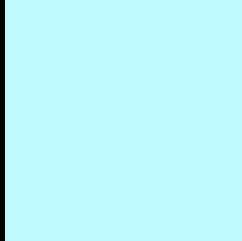
Large Text (above 18pt) WCAG AA × Fail

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 86.6676, 0.2752, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

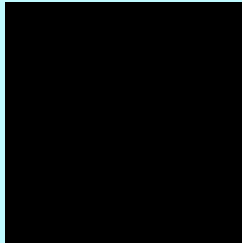
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6676, 0.2752, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 86.6676, 0.2752, 0.3236.

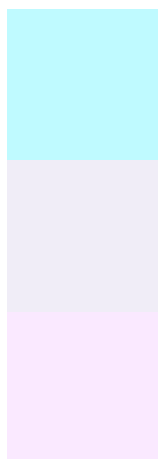


This preview shows how white text looks on a background with the Yxy color 86.6676, 0.2752, 0.3236.

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

86.6676, 0.2752, 0.3236

Protanopia

85.8090, 0.3086, 0.3190

Deuteranopia

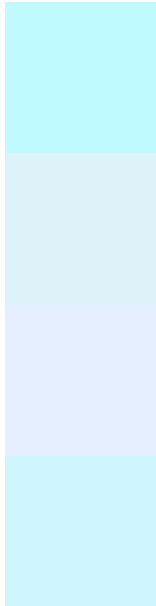
85.8218, 0.3104, 0.3076



Tritanopia

86.5203, 0.2890, 0.3176

Trichromacy



Original Color

86.6676, 0.2752, 0.3236

Protanomaly

85.9360, 0.2953, 0.3207

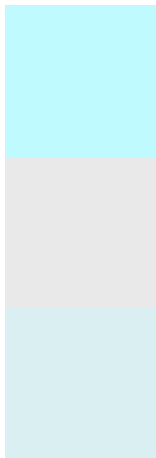
Deuteranomaly

85.6110, 0.2968, 0.3128

Tritanomaly

86.3969, 0.2838, 0.3195

Monochromacy



Original Color

86.6676, 0.2752, 0.3236

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.9893, 0.2980, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6676, 0.2752, 0.3236 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 250, 255)  
}
```

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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.6676, 0.2752, 0.3236 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, 250, 255) }
```

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

```
.border{ border-color:rgb(191, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6676, 0.2752, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 250, 255) }
```

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

```
.background{ background-color: rgb(191,  
250, 255) }
```

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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