

Converting Colors

$Y_{xy}(100.0000, 0.2812, 0.3626)$

Have a look what the booklet for
Yxy(100.0000, 0.2812, 0.3626)
contains.

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Color

Yxy(88.1852, 0.2795, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFF1
RGB	185, 255, 241
RGB Percent	73%, 100%, 95%
CMY	0.2748, 0.0000, 0.0549
CMYK	0.27, 0.00, 0.05, 0.00
HSL	168°, 100%, 86%
HSV	168°, 27%, 100%
XYZ	71.6297, 88.1852, 96.4630
YIQ	232.4740, -37.2260, -19.1940

Conversions

Conversions Part 2

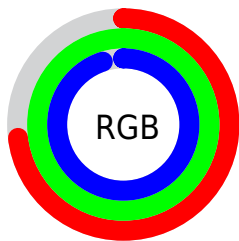
Format	Color
R_{YB}	185, 224, 255
Decimal	12189681
CIE _{Lab}	95.24, -24.47, -0.30
CIE _{LCh}	95, 24.469, 180.692
Yxy	88.1852, 0.2795, 0.3441
Android (android.graphics.Color)	4290379761 (0xFFB9FFF1)
YUV	232.4740, 4.2033, -41.6347
Hunter-Lab	93.9070, -28.1823, 4.8311

Details

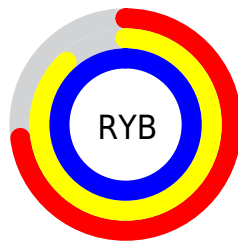
The Yxy color **88.1852, 0.2795, 0.3441** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.0444, 0.3608, 0.3146**, and the grayscale version is **81.0388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **48.6368, 0.2724, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **84.9845, 0.2691, 0.3505**, and if you desaturate by 10%, it is **91.9430, 0.2910, 0.3382**.

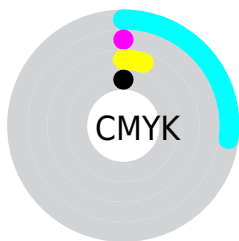
Distribution



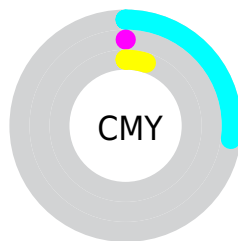
- Red (73%)
- Green (100%)
- Blue (95%)



- Red (73%)
- Yellow (88%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1852, 0.2795, 0.3441 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 88.1852, 0.2795, 0.3441 by changing the saturation by 10% instead.


 88.1852, 0.2795,
0.3441

 88.1852, 0.2795,
0.3441

522.1095, 0.2943,
0.3374

 66.4765, 0.2762,
0.3456


 144.8150, 0.2845,
0.3418

 48.6593, 0.2723,
0.3474


180.5048, 0.2865,
0.3409

 34.3493, 0.2674,
0.3496

221.6237, 0.2882,
0.3401

 23.1621, 0.2611,
0.3524

268.5562, 0.2898,
0.3395

 14.7132, 0.2528,
0.3561

321.6867, 0.2911,
0.3389

 8.6184, 0.2414,
0.3613

381.3994, 0.2923,

 4.4931, 0.2248,

0.3383

0.3687

448.0789, 0.2933,
0.3378

1.9530, 0.1982,
0.3806

0.5800, 0.0000,
0.4707

88.1852, 0.2795,
0.3441

88.1852, 0.2795,
0.3441

84.9845, 0.2691,
0.3505

91.9430, 0.2910,
0.3382

82.3406, 0.2602,
0.3572

96.3161, 0.3032,
0.3327

80.2099, 0.2529,
0.3643

100.0000, 0.3127,
0.3290

78.5556, 0.2475,
0.3716

■ 77.3356, 0.2440,
0.3789

■ 76.5005, 0.2426,
0.3863

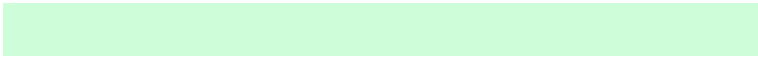
■ 75.9855, 0.2429,
0.3936

■ 75.8822, 0.2432,
0.3954

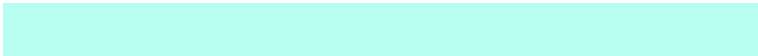
Harmonies

Analogous

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



88.1852, 0.3041, 0.3668



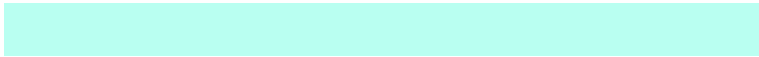
88.1852, 0.2795, 0.3441



88.1852, 0.2640, 0.3178

Triad

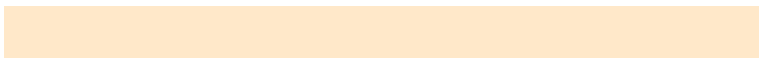
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1852, 0.2795, 0.3441



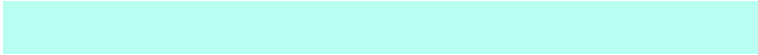
88.1852, 0.2921, 0.2845



88.1852, 0.3671, 0.3587

Complementary

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



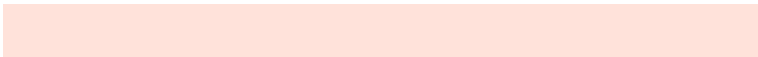
88.1852, 0.2795, 0.3441



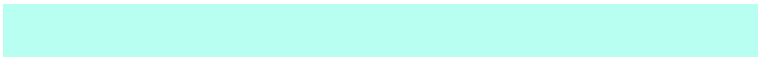
60.0444, 0.3608, 0.3146

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.



88.1852, 0.3639, 0.3366



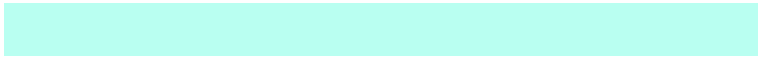
88.1852, 0.2795, 0.3441



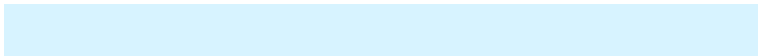
88.1852, 0.3196, 0.2951

Square

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



88.1852, 0.2795, 0.3441



88.1852, 0.2710, 0.2846



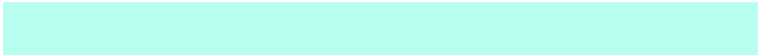
88.1852, 0.3462, 0.3137



88.1852, 0.3551, 0.3743

Rectangle

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



88.1852, 0.2795, 0.3441



88.1852, 0.2606, 0.3025



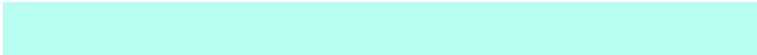
88.1852, 0.3462, 0.3137



88.1852, 0.3678, 0.3518

Sweetspot

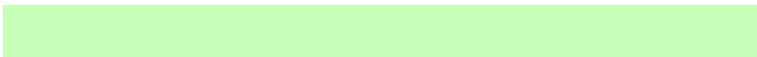
The Sweet Spot groups the original color and five complimentary colors.



88.1752, 0.2795, 0.3441



96.0744, 0.3026, 0.3330



87.1528, 0.3175, 0.4067



20.4156, 0.3007, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

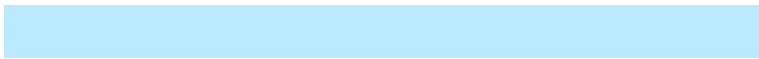
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1752, 0.2795, 0.3441



86.3452, 0.2736, 0.3475



76.3564, 0.2702, 0.3059



20.4156, 0.3007, 0.3338



39.6720, 0.2428, 0.3942



3.8778, 0.2405, 0.3859

Inverse Universe

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



60.0444, 0.3608, 0.3146



53.9455, 0.3743, 0.3116



68.8751, 0.3671, 0.3509



18.0464, 0.3263, 0.3243



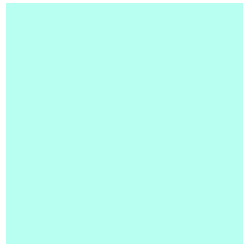
11.2501, 0.6080, 0.3123



1.1100, 0.5783, 0.2959

Previews

White Background



This preview shows how the Yxy color 88.1852, 0.2795, 0.3441 looks on a white background.

Color Contrast Check

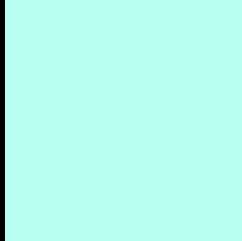
Large Text (above 18pt) WCAG AA × Fail

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 88.1852, 0.2795, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

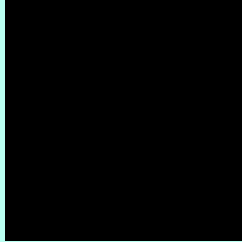
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

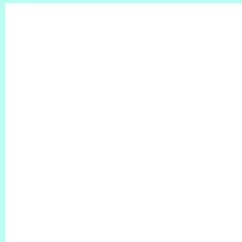
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.1852, 0.2795, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 88.1852, 0.2795, 0.3441.

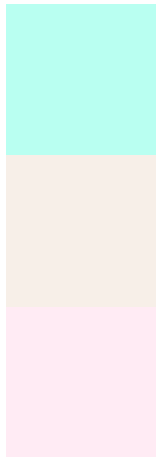


This preview shows how white text looks on a background with the Yxy color 88.1852, 0.2795, 0.3441.

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

88.1852, 0.2795, 0.3441

Protanopia

87.3334, 0.3224, 0.3360

Deuteranopia

87.2083, 0.3205, 0.3203



Tritanopia

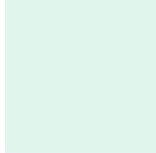
87.5849, 0.2908, 0.3187

Trichromacy



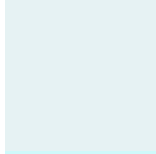
Original Color

88.1852, 0.2795, 0.3441



Protanomaly

87.1503, 0.3052, 0.3393



Deuteranomaly

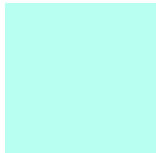
86.7983, 0.3044, 0.3280



Tritanomaly

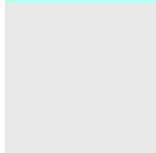
87.9189, 0.2866, 0.3279

Monochromacy



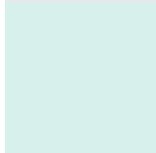
Original Color

88.1852, 0.2795, 0.3441



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7654, 0.2996, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1852, 0.2795, 0.3441 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 88.1852, 0.2795, 0.3441 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, 241) }
```

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

```
.border{ border-color:rgb(185, 255, 241) }
```

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, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1852, 0.2795, 0.3441 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, 241) }
```

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

```
.background{ background-color: rgb(185,  
255, 241) }
```

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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