

Converting Colors

$Y_{xy}(100.0000, 0.2841, 0.3630)$

Have a look what the booklet for
Yxy(100.0000, 0.2841, 0.3630)
contains.

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Color

Yxy(88.6991, 0.2832, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	BEFFEF
RGB	190, 255, 239
RGB Percent	75%, 100%, 94%
CMY	0.2552, 0.0000, 0.0628
CMYK	0.26, 0.00, 0.06, 0.00
HSL	165°, 100%, 87%
HSV	165°, 26%, 100%
XYZ	72.5580, 88.6991, 94.9506
YIQ	233.7410, -33.6040, -18.7560

Conversions

Conversions Part 2

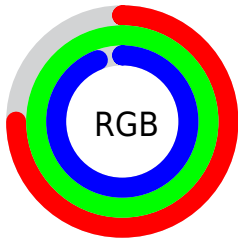
Format	Color
R _Y B	190, 227, 255
Decimal	12517359
CIE Lab	95.45, -23.44, 1.09
CIE LCh	95, 23.465, 177.348
Yxy	88.6991, 0.2832, 0.3462
Android (android.graphics.Color)	4290707439 (0xFFBEFFEF)
YUV	233.7410, 2.5927, -38.3609
Hunter-Lab	94.1802, -27.2959, 6.1512

Details

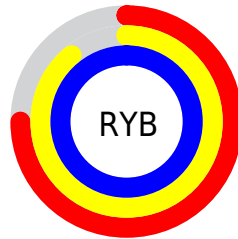
The Yxy color **88.6991, 0.2832, 0.3462** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.5030, 0.3539, 0.3126**, and the grayscale version is **82.0510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **48.9580, 0.2769, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **85.3241, 0.2731, 0.3540**, and if you desaturate by 10%, it is **92.6389, 0.2943, 0.3390**.

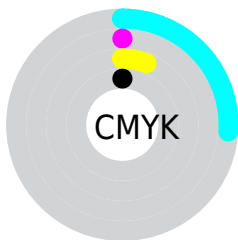
Distribution



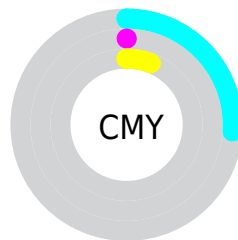
- Red (75%)
- Green (100%)
- Blue (94%)



- Red (75%)
- Yellow (89%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6991, 0.2832, 0.3462 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 88.6991, 0.2832, 0.3462 by changing the saturation by 10% instead.


 88.6991, 0.2832,
0.3462


 88.6991, 0.2832,
0.3462

 523.7899, 0.2964,
0.3385

 66.9022, 0.2803,
0.3479


 145.5301, 0.2877,
0.3436


 49.0051, 0.2768,
0.3500


 181.3329, 0.2895,
0.3425


 34.6236, 0.2724,
0.3526


 222.5732, 0.2910,
0.3416

 23.3730, 0.2668,
0.3559

 269.6353, 0.2923,
0.3409

 14.8692, 0.2593,
0.3603

 322.9036, 0.2935,
0.3402

 8.7276, 0.2491,
0.3664

 382.7626, 0.2946,

 4.5640, 0.2340,

0.3395

0.3755

449.5966, 0.2955,
0.3390

1.9938, 0.2099,
0.3902

0.6039, 0.0015,
0.5086

88.6991, 0.2832,
0.3462

88.6991, 0.2832,
0.3462

85.3241, 0.2731,
0.3540

92.6389, 0.2943,
0.3390

82.5174, 0.2643,
0.3623

97.2049, 0.3060,
0.3324

80.2351, 0.2570,
0.3711

100.0000, 0.3127,
0.3290

78.4408, 0.2516,
0.3802

■ 77.0937, 0.2481,
0.3895

■ 76.1459, 0.2467,
0.3988

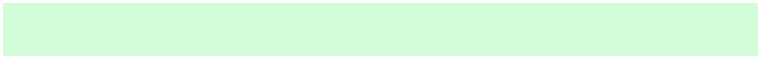
■ 75.5382, 0.2472,
0.4080

■ 75.3383, 0.2478,
0.4121

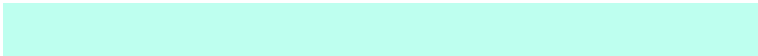
Harmonies

Analogous

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



88.6991, 0.3075, 0.3669



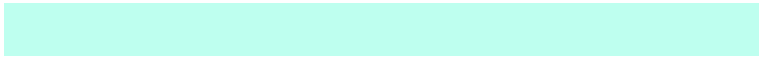
88.6991, 0.2832, 0.3462



88.6991, 0.2671, 0.3211

Triad

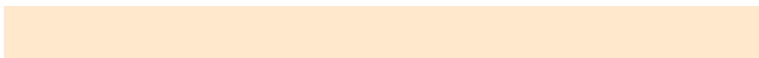
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6991, 0.2832, 0.3462



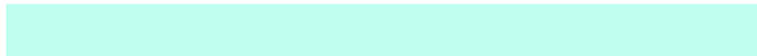
88.6991, 0.2904, 0.2858



88.6991, 0.3652, 0.3554

Complementary

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



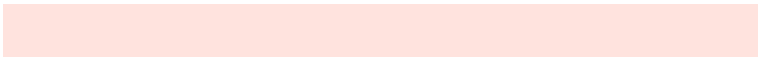
88.6991, 0.2832, 0.3462



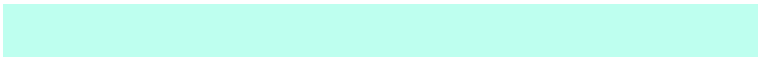
62.5030, 0.3539, 0.3126

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.



88.6991, 0.3604, 0.3339



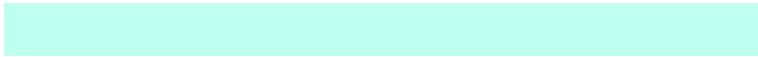
88.6991, 0.2832, 0.3462



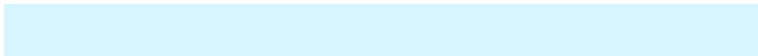
88.6991, 0.3163, 0.2949

Square

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



88.6991, 0.2832, 0.3462



88.6991, 0.2711, 0.2872



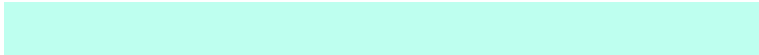
88.6991, 0.3422, 0.3121



88.6991, 0.3552, 0.3712

Rectangle

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



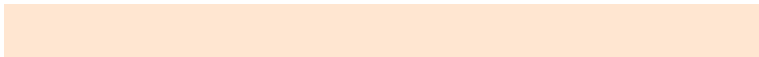
88.6991, 0.2832, 0.3462



88.6991, 0.2629, 0.3059



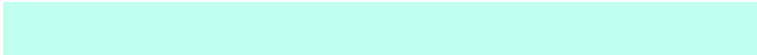
88.6991, 0.3422, 0.3121



88.6991, 0.3653, 0.3486

Sweetspot

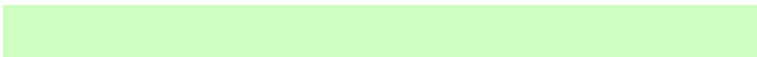
The Sweet Spot groups the original color and five complimentary colors.



88.6879, 0.2832, 0.3462



96.0152, 0.3031, 0.3339



88.3826, 0.3193, 0.4000



20.4006, 0.3013, 0.3349



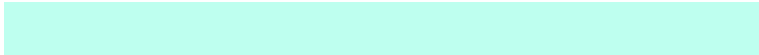
0.0000, 0.0000, 0.0000



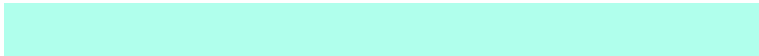
21.4041, 0.3127, 0.3290

Same Dimension

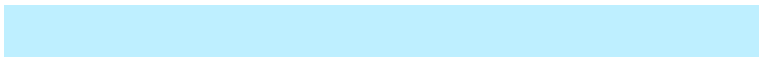
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6879, 0.2832, 0.3462



86.7747, 0.2775, 0.3504



79.7308, 0.2735, 0.3113



20.4006, 0.3013, 0.3349



39.3908, 0.2474, 0.4105



3.8526, 0.2445, 0.4000

Inverse Universe

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



62.5030, 0.3539, 0.3126



56.2490, 0.3660, 0.3089



69.2067, 0.3631, 0.3460



18.0603, 0.3255, 0.3232



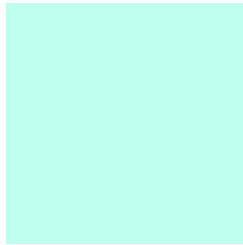
11.3144, 0.5948, 0.3050



1.1181, 0.5634, 0.2878

Previews

White Background



This preview shows how the Yxy color 88.6991, 0.2832, 0.3462 looks on a white background.

Color Contrast Check

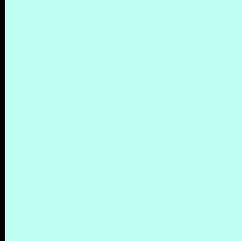
Large Text (above 18pt) WCAG AA × Fail

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 88.6991, 0.2832, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

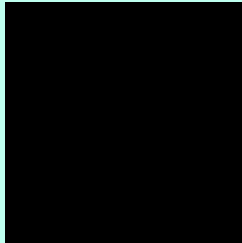
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.6991, 0.2832, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 88.6991, 0.2832, 0.3462.

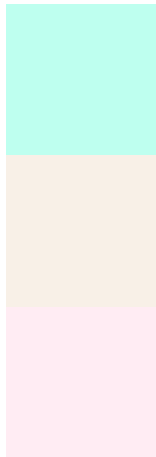


This preview shows how white text looks on a background with the Yxy color 88.6991, 0.2832, 0.3462.

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

88.6991, 0.2832, 0.3462

Protanopia

88.0462, 0.3236, 0.3380

Deuteranopia

87.7220, 0.3211, 0.3222



Tritanopia

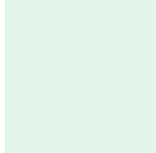
88.0544, 0.2926, 0.3188

Trichromacy



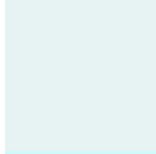
Original Color

88.6991, 0.2832, 0.3462



Protanomaly

87.5762, 0.3077, 0.3403



Deuteranomaly

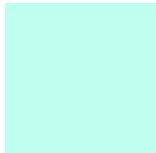
87.5009, 0.3056, 0.3300



Tritanomaly

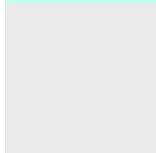
88.2926, 0.2889, 0.3289

Monochromacy



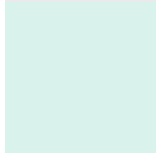
Original Color

88.6991, 0.2832, 0.3462



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4658, 0.3009, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6991, 0.2832, 0.3462 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(190, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 239)  
}
```

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(190, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 88.6991, 0.2832, 0.3462 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(190, 255, 239) }
```

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

```
.border{ border-color:rgb(190, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6991, 0.2832, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 239) }
```

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

```
.background{ background-color: rgb(190,  
255, 239) }
```

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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