

Converting Colors

$Y_{xy}(100.0000, 0.2962, 0.3702)$

Have a look what the booklet for
Yxy(100.0000, 0.2962, 0.3702)
contains.

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Color

Yxy(90.0705, 0.2959, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE6
RGB	204, 255, 230
RGB Percent	80%, 100%, 90%
CMY	0.1998, 0.0000, 0.0982
CMYK	0.20, 0.00, 0.10, 0.00
HSL	151°, 100%, 90%
HSV	151°, 20%, 100%
XYZ	74.9490, 90.0705, 88.2721
YIQ	236.9010, -22.3710, -18.5870

Conversions

Conversions Part 2

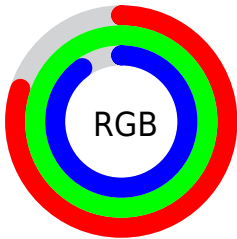
Format	Color
RYB	204, 238, 255
Decimal	13434854
CIELab	96.03, -20.94, 6.66
CIELCh	96, 21.971, 162.354
Yxy	90.0705, 0.2959, 0.3556
Android (android.graphics.Color)	4291624934 (0xFFCCFFE6)
YUV	236.9010, -3.4022, -28.8542
Hunter-Lab	94.9055, -25.1191, 11.2879

Details

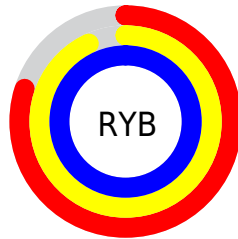
The Yxy color **90.0705, 0.2959, 0.3556** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.1270, 0.3336, 0.3039**, and the grayscale version is **84.6539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8729, 0.2917, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **86.0816, 0.2881, 0.3711**, and if you desaturate by 10%, it is **94.7075, 0.3042, 0.3416**.

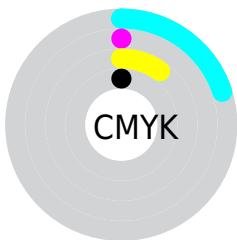
Distribution



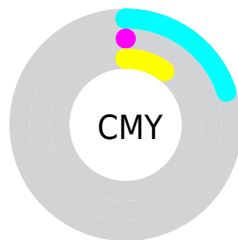
- Red (80%)
- Green (100%)
- Blue (90%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0705, 0.2959, 0.3556 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 90.0705, 0.2959, 0.3556 by changing the saturation by 10% instead.

 90.0705, 0.2959,
0.3556

 90.0705, 0.2959,
0.3556

528.2602, 0.3035,
0.3435

 68.0391, 0.2942,
0.3583


147.4363, 0.2985,
0.3514

 49.9296, 0.2921,
0.3616

183.5395, 0.2995,
0.3498

 35.3574, 0.2895,
0.3658


225.1022, 0.3004,
0.3484

 23.9383, 0.2862,
0.3712

272.5086, 0.3012,
0.3472

 15.2879, 0.2817,
0.3785

326.1432, 0.3019,
0.3461

 9.0217, 0.2754,
0.3888

386.3904, 0.3025,

 4.7553, 0.2659,

0.3451

0.4044

453.6346, 0.3030,
0.3443

■ 2.1044, 0.2500,
0.4309

■ 0.6671, 0.1170,
0.6349

■ 90.0705, 0.2959,
0.3556

■ 90.0705, 0.2959,
0.3556

■ 86.0816, 0.2881,
0.3711

■ 94.7075, 0.3042,
0.3416

■ 82.6996, 0.2811,
0.3880

99.9996, 0.3127,
0.3290

■ 79.8963, 0.2753,
0.4062

■ 77.6364, 0.2709,
0.4252

■ 75.8808, 0.2684,
0.4447

■ 74.5846, 0.2678,
0.4642

■ 73.6946, 0.2693,
0.4831

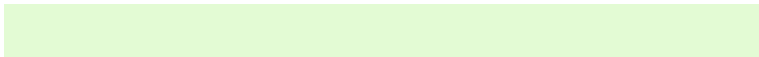
■ 73.1249, 0.2725,
0.5010

■ 73.1241, 0.2725,
0.5011

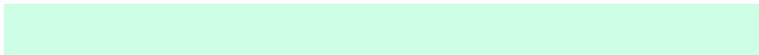
Harmonies

Analogous

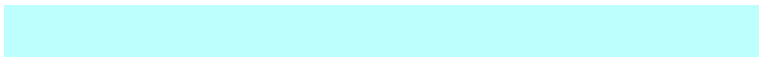
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0705, 0.3204, 0.3700



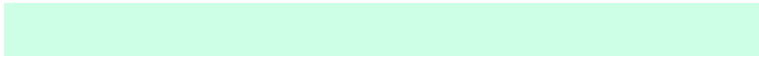
90.0705, 0.2959, 0.3556



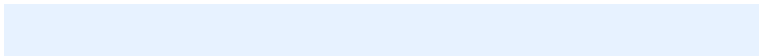
90.0705, 0.2765, 0.3334

Triad

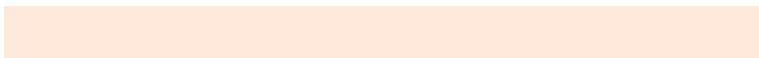
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0705, 0.2959, 0.3556



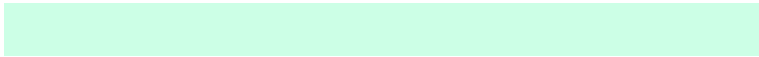
90.0705, 0.2818, 0.2880



90.0705, 0.3611, 0.3440

Complementary

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



90.0705, 0.2959, 0.3556



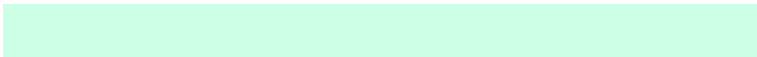
70.1270, 0.3336, 0.3039

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.



90.0705, 0.3500, 0.3232



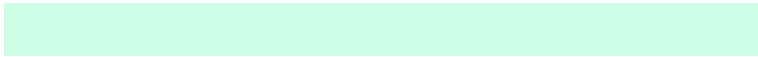
90.0705, 0.2959, 0.3556



90.0705, 0.3036, 0.2917

Square

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



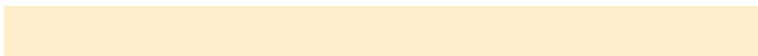
90.0705, 0.2959, 0.3556



90.0705, 0.2686, 0.2946



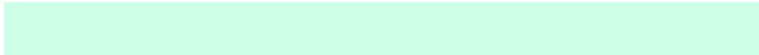
90.0705, 0.3286, 0.3044



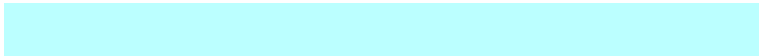
90.0705, 0.3586, 0.3620

Rectangle

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



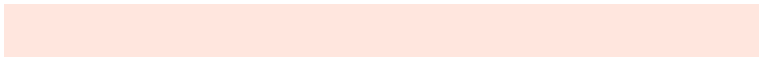
90.0705, 0.2959, 0.3556



90.0705, 0.2687, 0.3180



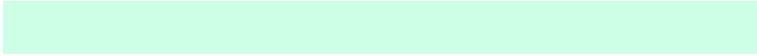
90.0705, 0.3286, 0.3044



90.0705, 0.3588, 0.3371

Sweetspot

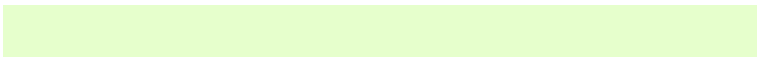
The Sweet Spot groups the original color and five complimentary colors.



90.0743, 0.2959, 0.3556



96.7381, 0.3076, 0.3364



92.6251, 0.3262, 0.3818



20.6331, 0.3070, 0.3372



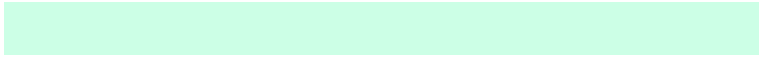
0.0000, 0.0000, 0.0000



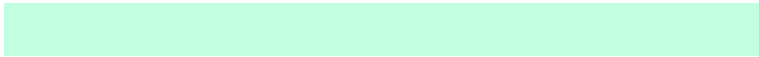
21.4041, 0.3127, 0.3290

Same Dimension

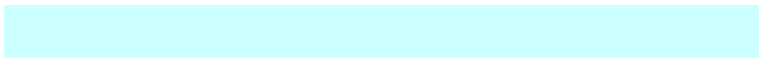
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0743, 0.2959, 0.3556



88.3956, 0.2927, 0.3617



91.5829, 0.2827, 0.3289



20.3224, 0.3046, 0.3409



38.2394, 0.2717, 0.4982



3.7453, 0.2660, 0.4776

Inverse Universe

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



70.1270, 0.3336, 0.3039



65.1291, 0.3389, 0.2985



68.8274, 0.3526, 0.3291



18.1358, 0.3217, 0.3174



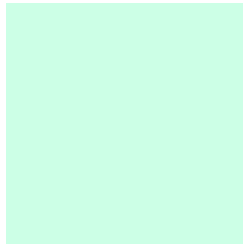
11.9161, 0.5002, 0.2529



1.1822, 0.4742, 0.2386

Previews

White Background



This preview shows how the Yxy color 90.0705, 0.2959, 0.3556 looks on a white background.

Color Contrast Check

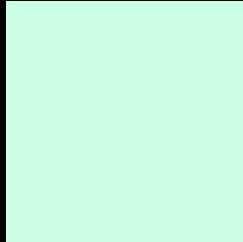
Large Text (above 18pt) WCAG AA × Fail

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 90.0705, 0.2959, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

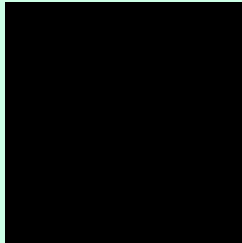
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

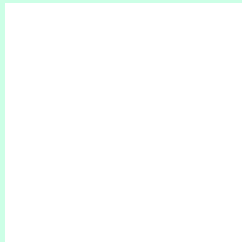
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.0705, 0.2959, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 90.0705, 0.2959, 0.3556.

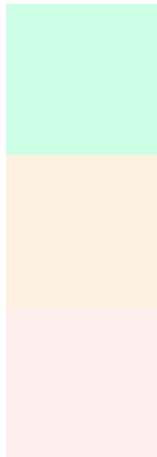


This preview shows how white text looks on a background with the Yxy color 90.0705, 0.2959, 0.3556.

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

90.0705, 0.2959, 0.3556

Protanopia

89.5274, 0.3311, 0.3479

Deuteranopia

89.2250, 0.3234, 0.3290



Tritanopia

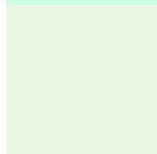
89.9545, 0.2975, 0.3199

Trichromacy



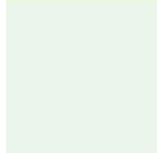
Original Color

90.0705, 0.2959, 0.3556



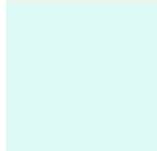
Protanomaly

89.6747, 0.3175, 0.3504



Deuteranomaly

89.1938, 0.3123, 0.3381



Tritanomaly

89.7773, 0.2971, 0.3320

Monochromacy



Original Color

90.0705, 0.2959, 0.3556



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.6494, 0.3065, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0705, 0.2959, 0.3556 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(204, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 230)  
}
```

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(204, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 90.0705, 0.2959, 0.3556 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(204, 255, 230) }
```

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

```
.border{ border-color:rgb(204, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0705, 0.2959, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 230) }
```

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

```
.background{ background-color: rgb(204,  
255, 230) }
```

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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