

Converting Colors

$Y_{xy}(115.8398, 0.2981, 0.3911)$

Have a look what the booklet for
Yxy(115.8398, 0.2981, 0.3911)
contains.

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Color

Yxy(90.4425, 0.2982, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFE5
RGB	207, 255, 229
RGB Percent	81%, 100%, 90%
CMY	0.1879, 0.0001, 0.1019
CMYK	0.19, 0.00, 0.10, 0.00
HSL	147°, 100%, 91%
HSV	147°, 19%, 100%
XYZ	75.6520, 90.4425, 87.6011
YIQ	237.6840, -20.2620, -18.2620

Conversions

Conversions Part 2

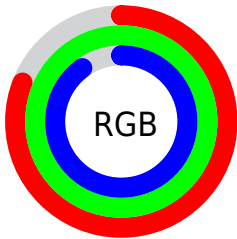
Format	Color
R_{YB}	207, 240, 255
Decimal	13631461
CIE _{Lab}	96.18, -20.16, 7.40
CIE _{LCh}	96, 21.476, 159.846
Yxy	90.4425, 0.2982, 0.3565
Android (android.graphics.Color)	4291821541 (0xFFCFFFE5)
YUV	237.6840, -4.2812, -26.9099
Hunter-Lab	95.1013, -24.4324, 11.9568

Details

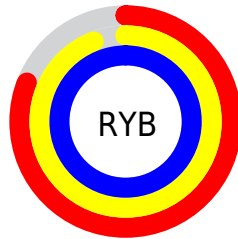
The Yxy color **90.4425, 0.2982, 0.3565** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.8099, 0.3304, 0.3030**, and the grayscale version is **85.3020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1196, 0.2945, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **86.3214, 0.2910, 0.3735**, and if you desaturate by 10%, it is **95.2259, 0.3058, 0.3411**.

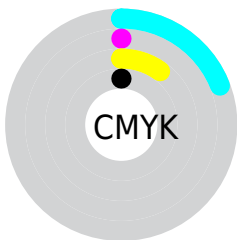
Distribution



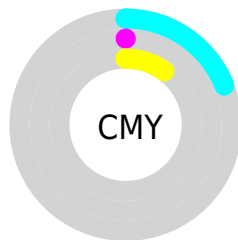
- Red (81%)
- Green (100%)
- Blue (90%)



- Red (81%)
- Yellow (94%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4425, 0.2982, 0.3565 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 90.4425, 0.2982, 0.3565 by changing the saturation by 10% instead.


 90.4425, 0.2982,
0.3565

 90.4425, 0.2982,
0.3565


529.4692, 0.3048,
0.3440

 68.3477, 0.2967,
0.3593

147.9529, 0.3005,
0.3522

 50.1807, 0.2949,
0.3627


184.1373, 0.3013,
0.3505

 35.5570, 0.2926,
0.3671


225.7870, 0.3021,
0.3491

 24.0922, 0.2897,
0.3727

273.2864, 0.3028,
0.3478

 15.4021, 0.2858,
0.3802

327.0200, 0.3034,
0.3467

 9.1020, 0.2803,
0.3908

387.3720, 0.3039,

 4.8078, 0.2719,

0.3457

0.4070

454.7270, 0.3044,
0.3448

■ 2.1349, 0.2577,
0.4344

■ 0.6842, 0.1478,
0.6395

■ 90.4425, 0.2982,
0.3565

■ 90.4425, 0.2982,
0.3565

■ 86.3214, 0.2910,
0.3735

■ 95.2259, 0.3058,
0.3411

■ 82.8214, 0.2844,
0.3922

99.9916, 0.3127,
0.3290

■ 79.9139, 0.2789,
0.4122

■ 77.5640, 0.2748,
0.4332

■ 75.7323, 0.2724,
0.4548

■ 74.3746, 0.2720,
0.4762

■ 73.4383, 0.2735,
0.4968

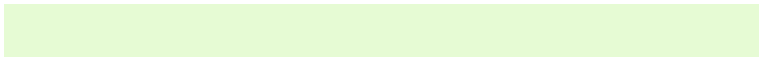
■ 72.8483, 0.2768,
0.5160

■ 72.7887, 0.2773,
0.5182

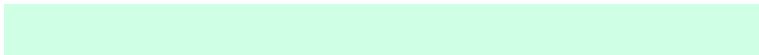
Harmonies

Analogous

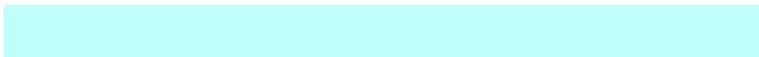
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4425, 0.3222, 0.3697



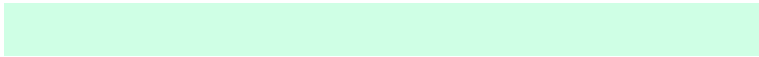
90.4425, 0.2982, 0.3565



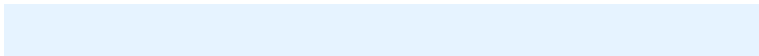
90.4425, 0.2786, 0.3352

Triad

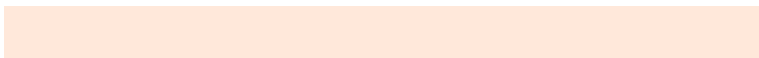
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4425, 0.2982, 0.3565



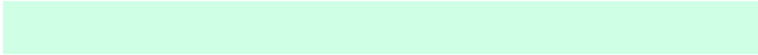
90.4425, 0.2811, 0.2891



90.4425, 0.3595, 0.3420

Complementary

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



90.4425, 0.2982, 0.3565



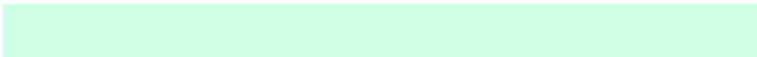
71.8099, 0.3304, 0.3030

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.



90.4425, 0.3477, 0.3217



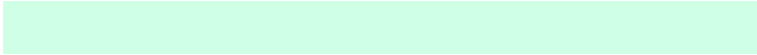
90.4425, 0.2982, 0.3565



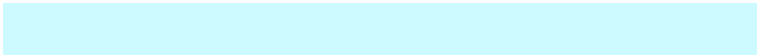
90.4425, 0.3018, 0.2919

Square

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



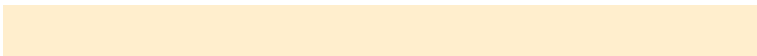
90.4425, 0.2982, 0.3565



90.4425, 0.2690, 0.2964



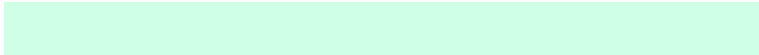
90.4425, 0.3263, 0.3037



90.4425, 0.3582, 0.3601

Rectangle

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



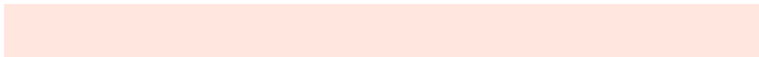
90.4425, 0.2982, 0.3565



90.4425, 0.2704, 0.3201



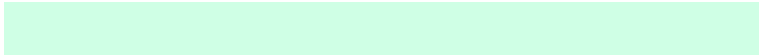
90.4425, 0.3263, 0.3037



90.4425, 0.3569, 0.3353

Sweetspot

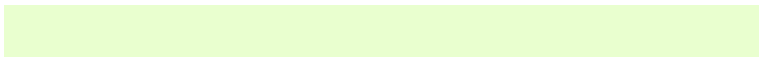
The Sweet Spot groups the original color and five complimentary colors.



90.4463, 0.2982, 0.3565



96.6898, 0.3080, 0.3371



93.4167, 0.3270, 0.3781



20.6217, 0.3075, 0.3381



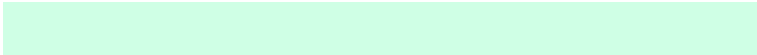
0.0000, 0.0000, 0.0000



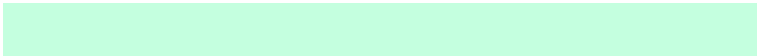
21.4041, 0.3127, 0.3290

Same Dimension

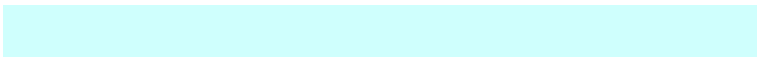
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4463, 0.2982, 0.3565



88.6408, 0.2951, 0.3635



91.8547, 0.2857, 0.3314



20.3064, 0.3053, 0.3422



38.0675, 0.2764, 0.5152



3.7282, 0.2704, 0.4933

Inverse Universe

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



71.8099, 0.3304, 0.3030



66.5082, 0.3352, 0.2969



70.5502, 0.3479, 0.3267



18.1519, 0.3209, 0.3162



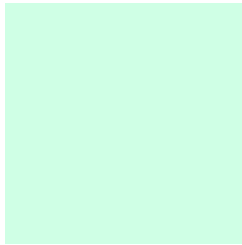
12.1027, 0.4785, 0.2409



1.2005, 0.4555, 0.2283

Previews

White Background



This preview shows how the Yxy color 90.4425, 0.2982, 0.3565 looks on a white background.

Color Contrast Check

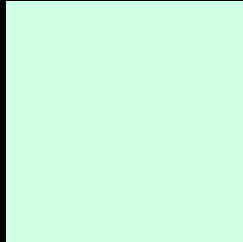
Large Text (above 18pt) WCAG AA × Fail

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 90.4425, 0.2982, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

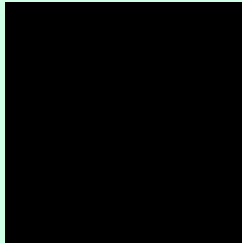
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

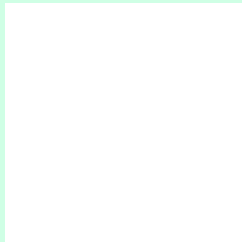
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4425, 0.2982, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 90.4425, 0.2982, 0.3565.

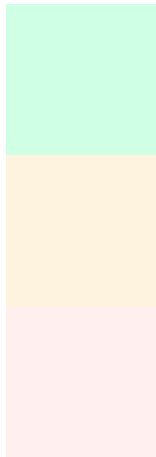


This preview shows how white text looks on a background with the Yxy color 90.4425, 0.2982, 0.3565.

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

90.4425, 0.2982, 0.3565

Protanopia

90.2578, 0.3323, 0.3498

Deuteranopia

89.8122, 0.3233, 0.3300



Tritanopia

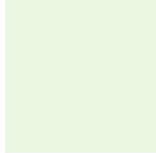
90.1205, 0.2981, 0.3200

Trichromacy



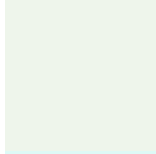
Original Color

90.4425, 0.2982, 0.3565



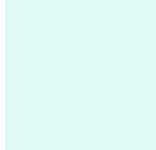
Protanomaly

89.7906, 0.3188, 0.3514



Deuteranomaly

89.4801, 0.3142, 0.3391



Tritanomaly

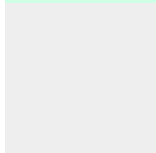
89.9348, 0.2977, 0.3320

Monochromacy



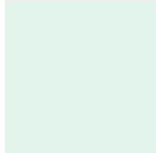
Original Color

90.4425, 0.2982, 0.3565



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0304, 0.3071, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4425, 0.2982, 0.3565 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(207, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 229)  
}
```

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(207, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 90.4425, 0.2982, 0.3565 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(207, 255, 229) }
```

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

```
.border{ border-color:rgb(207, 255, 229) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4425, 0.2982, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 229) }
```

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

```
.background{ background-color: rgb(207,  
255, 229) }
```

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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