

Converting Colors

$Y_{xy}(165.1104, 0.3015, 0.4270)$

Have a look what the booklet for
Yxy(165.1104, 0.3015, 0.4270)
contains.

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Color

Yxy(92.7918, 0.3020, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFEC
RGB	220, 255, 236
RGB Percent	86%, 100%, 93%
CMY	0.1374, 0.0000, 0.0744
CMYK	0.14, 0.00, 0.07, 0.00
HSL	148°, 100%, 93%
HSV	148°, 14%, 100%
XYZ	80.4107, 92.7918, 93.0581
YIQ	242.3690, -14.7610, -13.3290

Conversions

Conversions Part 2

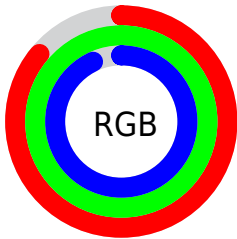
Format	Color
R_{YB}	220, 244, 255
Decimal	14483436
CIE _{Lab}	97.14, -14.79, 5.27
CIE _{LCh}	97, 15.706, 160.376
Yxy	92.7918, 0.3020, 0.3485
Android (android.graphics.Color)	4292673516 (0xFFDCFFEC)
YUV	242.3690, -3.1399, -19.6176
Hunter-Lab	96.3285, -19.5711, 10.1529

Details

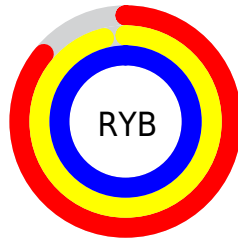
The Yxy color **92.7918, 0.3020, 0.3485** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6532, 0.3250, 0.3103**, and the grayscale version is **89.1278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.6828, 0.3001, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **88.3373, 0.2945, 0.3647**, and if you desaturate by 10%, it is **97.9074, 0.3098, 0.3340**.

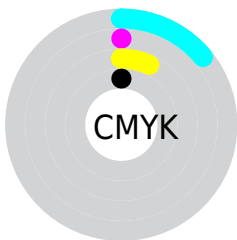
Distribution



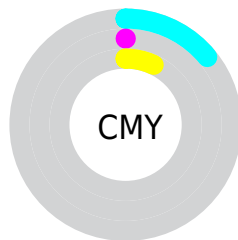
- Red (86%)
- Green (100%)
- Blue (93%)



- Red (86%)
- Yellow (96%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.7918, 0.3020, 0.3485 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 92.7918, 0.3020, 0.3485 by changing the saturation by 10% instead.


 92.7918, 0.3020,
0.3485

 92.7918, 0.3020,
0.3485


537.0712, 0.3068,
0.3397

 70.2985, 0.3009,
0.3504


151.2103, 0.3036,
0.3455

 51.7699, 0.2996,
0.3528

187.9043, 0.3043,
0.3443

 36.8217, 0.2980,
0.3558


230.1007, 0.3049,
0.3433

 25.0695, 0.2959,
0.3596

278.1837, 0.3053,
0.3424

 16.1288, 0.2931,
0.3647

332.5379, 0.3058,
0.3416

 9.6154, 0.2893,
0.3718

393.5476, 0.3062,

 5.1447, 0.2835,

0.3409

0.3825

461.5973, 0.3065,
0.3403

■ 2.3324, 0.2740,
0.4002

■ 0.7908, 0.2333,
0.4725

■ 92.7918, 0.3020,
0.3485

■ 92.7918, 0.3020,
0.3485

■ 88.3373, 0.2945,
0.3647

■ 97.9074, 0.3098,
0.3340

■ 84.5265, 0.2876,
0.3825

100.0000, 0.3127,
0.3290

■ 81.3249, 0.2815,
0.4018

■ 78.6986, 0.2766,
0.4223

■ 76.6109, 0.2733,
0.4436

■ 75.0200, 0.2718,
0.4652

■ 73.8782, 0.2724,
0.4862

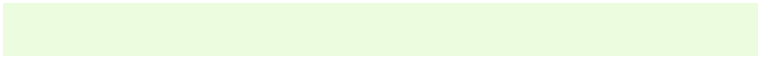
■ 73.1272, 0.2749,
0.5061

■ 72.8047, 0.2772,
0.5178

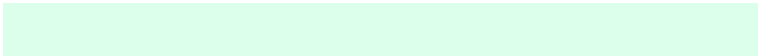
Harmonies

Analogous

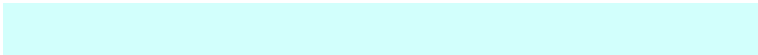
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7918, 0.3195, 0.3581



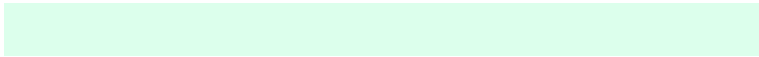
92.7918, 0.3020, 0.3485



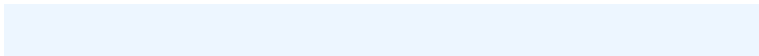
92.7918, 0.2877, 0.3333

Triad

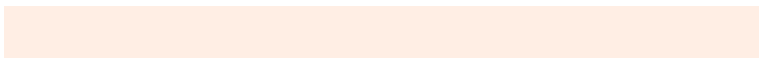
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.7918, 0.3020, 0.3485



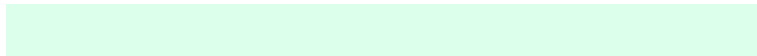
92.7918, 0.2899, 0.2998



92.7918, 0.3466, 0.3391

Complementary

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



92.7918, 0.3020, 0.3485



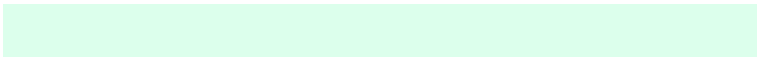
78.6532, 0.3250, 0.3103

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.



92.7918, 0.3382, 0.3241



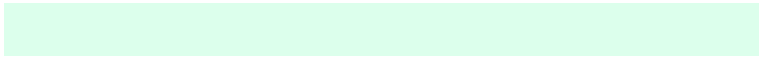
92.7918, 0.3020, 0.3485



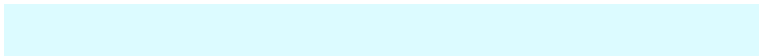
92.7918, 0.3052, 0.3018

Square

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



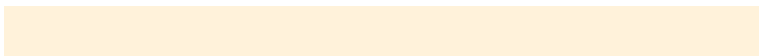
92.7918, 0.3020, 0.3485



92.7918, 0.2808, 0.3053



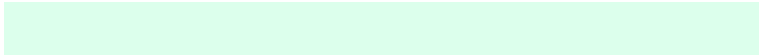
92.7918, 0.3229, 0.3106



92.7918, 0.3455, 0.3520

Rectangle

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



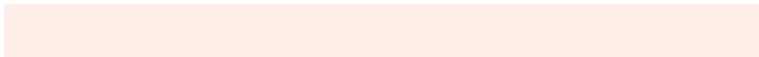
92.7918, 0.3020, 0.3485



92.7918, 0.2817, 0.3225



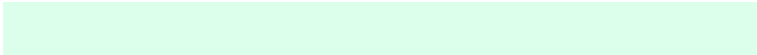
92.7918, 0.3229, 0.3106



92.7918, 0.3448, 0.3341

Sweetspot

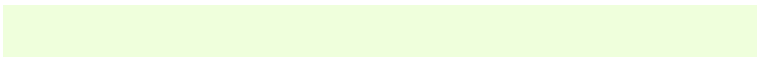
The Sweet Spot groups the original color and five complimentary colors.



92.7879, 0.3020, 0.3485



97.7661, 0.3096, 0.3344



95.0764, 0.3232, 0.3643



20.8387, 0.3090, 0.3354



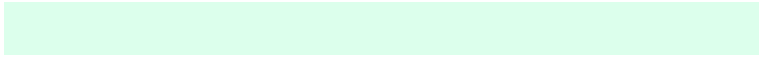
0.0000, 0.0000, 0.0000



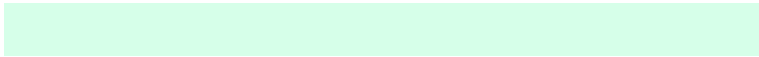
21.4041, 0.3127, 0.3290

Same Dimension

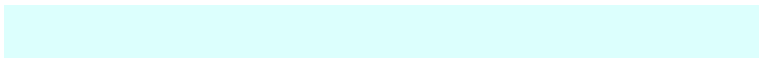
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.7879, 0.3020, 0.3485



91.7250, 0.3003, 0.3520



93.8372, 0.2926, 0.3307



20.3068, 0.3053, 0.3421



38.0714, 0.2763, 0.5148



3.7286, 0.2703, 0.4930

Inverse Universe

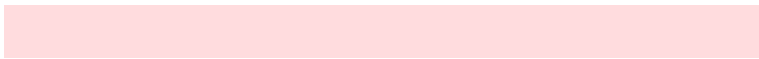
The Inverse Universe completely reimagines the original color for something new.



78.6532, 0.3250, 0.3103



75.5267, 0.3274, 0.3071



77.6843, 0.3369, 0.3273



18.1515, 0.3209, 0.3162



12.0979, 0.4790, 0.2412



1.2000, 0.4560, 0.2285

Previews

White Background



This preview shows how the Yxy color 92.7918, 0.3020, 0.3485 looks on a white background.

Color Contrast Check

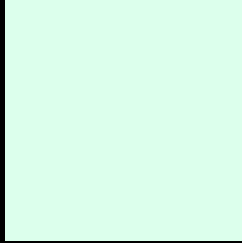
Large Text (above 18pt) WCAG AA × Fail

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 92.7918, 0.3020, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

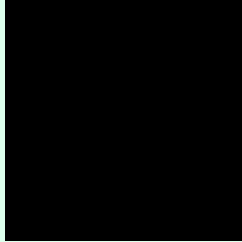
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

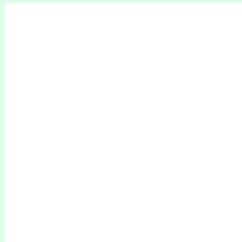
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.7918, 0.3020, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 92.7918, 0.3020, 0.3485.

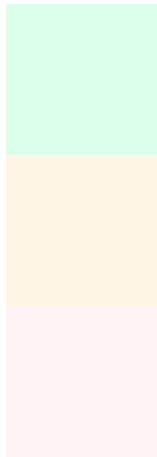


This preview shows how white text looks on a background with the Yxy color 92.7918, 0.3020, 0.3485.

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

92.7918, 0.3020, 0.3485

Protanopia

92.1452, 0.3271, 0.3427

Deuteranopia

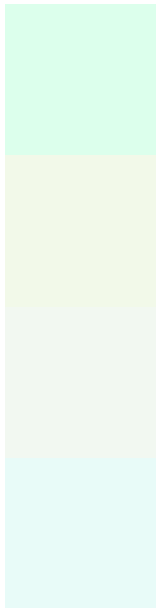
92.4930, 0.3199, 0.3290



Tritanopia

92.7055, 0.3030, 0.3221

Trichromacy



Original Color

92.7918, 0.3020, 0.3485

Protanomaly

92.5118, 0.3177, 0.3450

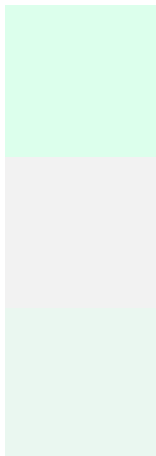
Deuteranomaly

92.3629, 0.3130, 0.3359

Tritanomaly

92.9275, 0.3026, 0.3320

Monochromacy



Original Color

92.7918, 0.3020, 0.3485

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

90.3052, 0.3086, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7918, 0.3020, 0.3485 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(220, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 236)  
}
```

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(220, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 92.7918, 0.3020, 0.3485 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(220, 255, 236) }
```

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

```
.border{ border-color:rgb(220, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7918, 0.3020, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 236) }
```

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

```
.background{ background-color: rgb(220,  
255, 236) }
```

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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