

Converting Colors

$Y_{xy}(100.0000, 0.2969, 0.3654)$

Have a look what the booklet for
Yxy(100.0000, 0.2969, 0.3654)
contains.

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Color

Yxy(90.9585, 0.2972, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	D1FFE9
RGB	209, 255, 233
RGB Percent	82%, 100%, 91%
CMY	0.1801, 0.0000, 0.0863
CMYK	0.18, 0.00, 0.09, 0.00
HSL	151°, 100%, 91%
HSV	151°, 18%, 100%
XYZ	76.7761, 90.9585, 90.5968
YIQ	238.7380, -20.3540, -16.5940

Conversions

Conversions Part 2

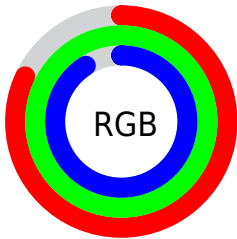
Format	Color
R_{YB}	209, 239, 255
Decimal	13762537
CIE _{Lab}	96.39, -18.80, 5.67
CIE _{LCh}	96, 19.632, 163.214
Yxy	90.9585, 0.2972, 0.3521
Android (android.graphics.Color)	4291952617 (0xFFD1FFE9)
YUV	238.7380, -2.8288, -26.0802
Hunter-Lab	95.3722, -23.2060, 10.4392

Details

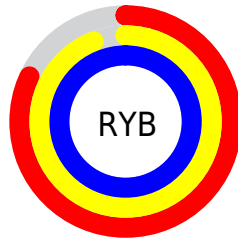
The Yxy color **90.9585, 0.2972, 0.3521** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.6665, 0.3316, 0.3070**, and the grayscale version is **86.1479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4325, 0.2939, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **86.8602, 0.2891, 0.3669**, and if you desaturate by 10%, it is **95.7081, 0.3057, 0.3387**.

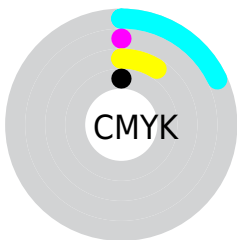
Distribution



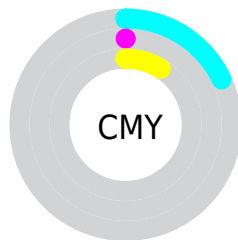
- Red (82%)
- Green (100%)
- Blue (91%)



- Red (82%)
- Yellow (94%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9585, 0.2972, 0.3521 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 90.9585, 0.2972, 0.3521 by changing the saturation by 10% instead.


 90.9585, 0.2972,
0.3521

 90.9585, 0.2972,
0.3521

531.1439, 0.3042,
0.3417

 68.7759, 0.2956,
0.3544


148.6691, 0.2996,
0.3485

 50.5292, 0.2937,
0.3573


184.9658, 0.3005,
0.3471

 35.8341, 0.2914,
0.3609


226.7361, 0.3013,
0.3459

 24.3061, 0.2883,
0.3655

274.3643, 0.3021,
0.3448

 15.5608, 0.2843,
0.3717

328.2348, 0.3027,
0.3439

 9.2139, 0.2786,
0.3804

388.7319, 0.3032,

 4.8810, 0.2701,

0.3431

456.2402, 0.3037,
0.3423

0.3936

■ 2.1776, 0.2560,
0.4157

■ 0.7077, 0.1650,
0.5462

■ 90.9585, 0.2972,
0.3521

■ 90.9585, 0.2972,
0.3521

■ 86.8602, 0.2891,
0.3669


■ 95.7081, 0.3057,
0.3387


■ 83.3724, 0.2818,
0.3831


99.9938, 0.3127,
0.3290


■ 80.4675, 0.2756,
0.4006


■ 78.1109, 0.2708,
0.4189

 76.2646, 0.2678,
0.4379

 74.8850, 0.2667,
0.4570

 73.9211, 0.2678,
0.4756

 73.3041, 0.2707,
0.4934

 73.2034, 0.2713,
0.4968

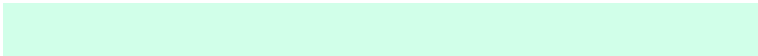
Harmonies

Analogous

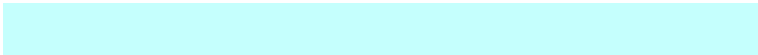
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9585, 0.3190, 0.3652



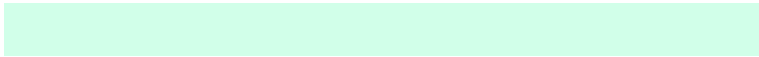
90.9585, 0.2972, 0.3521



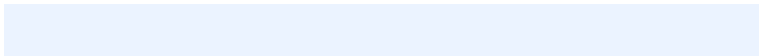
90.9585, 0.2800, 0.3324

Triad

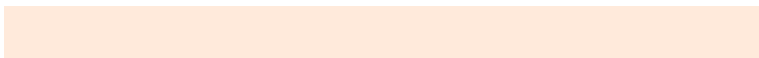
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.9585, 0.2972, 0.3521



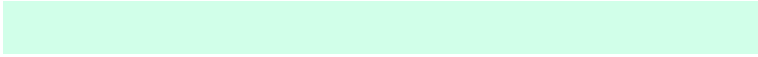
90.9585, 0.2856, 0.2923



90.9585, 0.3558, 0.3431

Complementary

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



90.9585, 0.2972, 0.3521



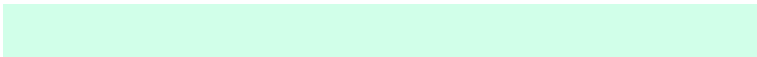
72.6665, 0.3316, 0.3070

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.



90.9585, 0.3463, 0.3244



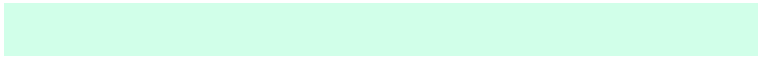
90.9585, 0.2972, 0.3521



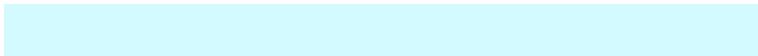
90.9585, 0.3053, 0.2959

Square

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



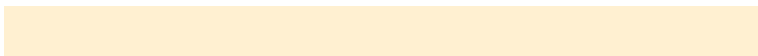
90.9585, 0.2972, 0.3521



90.9585, 0.2735, 0.2981



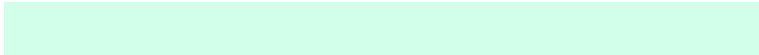
90.9585, 0.3276, 0.3074



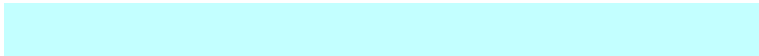
90.9585, 0.3533, 0.3589

Rectangle

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



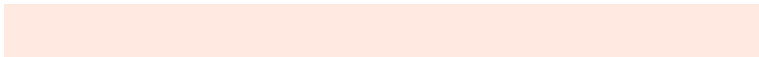
90.9585, 0.2972, 0.3521



90.9585, 0.2732, 0.3187



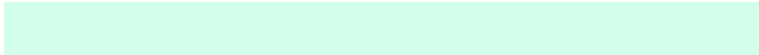
90.9585, 0.3276, 0.3074



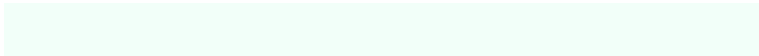
90.9585, 0.3539, 0.3369

Sweetspot

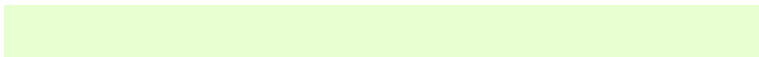
The Sweet Spot groups the original color and five complimentary colors.



90.9623, 0.2972, 0.3521



97.2744, 0.3083, 0.3350



93.1537, 0.3244, 0.3763



20.7417, 0.3077, 0.3358



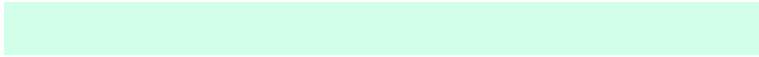
0.0000, 0.0000, 0.0000



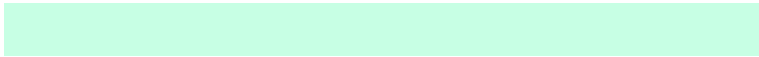
21.4041, 0.3127, 0.3290

Same Dimension

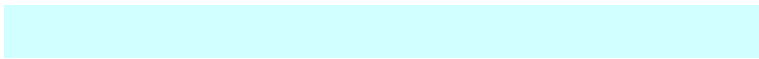
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9623, 0.2972, 0.3521



89.2571, 0.2939, 0.3579



91.8114, 0.2855, 0.3281



20.3263, 0.3044, 0.3406



38.2841, 0.2705, 0.4940



3.7497, 0.2649, 0.4738

Inverse Universe

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



72.6665, 0.3316, 0.3070



67.5392, 0.3367, 0.3019



71.8769, 0.3477, 0.3299



18.1320, 0.3219, 0.3177



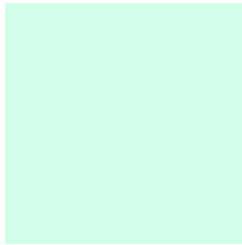
11.8746, 0.5054, 0.2558



1.1781, 0.4788, 0.2411

Previews

White Background



This preview shows how the Yxy color 90.9585, 0.2972, 0.3521 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 90.9585, 0.2972, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

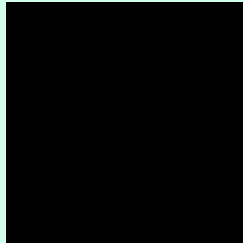
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

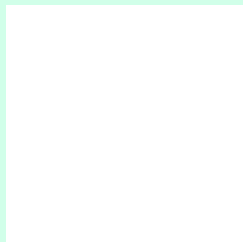
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9585, 0.2972, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 90.9585, 0.2972, 0.3521.

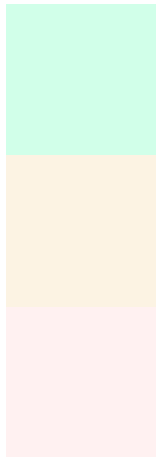


This preview shows how white text looks on a background with the Yxy color 90.9585, 0.2972, 0.3521.

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

90.9585, 0.2972, 0.3521

Protanopia

90.3427, 0.3285, 0.3448

Deuteranopia

90.5215, 0.3219, 0.3290



Tritanopia

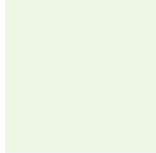
90.4552, 0.2993, 0.3200

Trichromacy



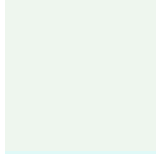
Original Color

90.9585, 0.2972, 0.3521



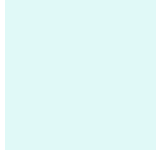
Protanomaly

90.0115, 0.3164, 0.3473



Deuteranomaly

90.2617, 0.3123, 0.3370



Tritanomaly

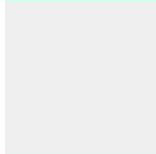
90.3141, 0.2983, 0.3310

Monochromacy



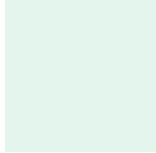
Original Color

90.9585, 0.2972, 0.3521



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.9132, 0.3066, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9585, 0.2972, 0.3521 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(209, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 233)  
}
```

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(209, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 90.9585, 0.2972, 0.3521 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(209, 255, 233) }
```

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

```
.border{ border-color:rgb(209, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9585, 0.2972, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 233) }
```

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

```
.background{ background-color: rgb(209,  
255, 233) }
```

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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