

# Converting Colors

$Yxy(91.8005, 0.2996, 0.3506)$

Have a look what the booklet for  
Yxy(91.8005, 0.2996, 0.3506)  
contains.

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# Color

**Yxy(91.7567, 0.2996, 0.3509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FFEA
RGB	214, 255, 234
RGB Percent	84%, 100%, 92%
CMY	0.1607, 0.0000, 0.0825
CMYK	0.16, 0.00, 0.08, 0.00
HSL	149°, 100%, 92%
HSV	149°, 16%, 100%
XYZ	78.3423, 91.7567, 91.3906
YIQ	240.3470, -17.6950, -15.2230

# Conversions

## Conversions Part 2

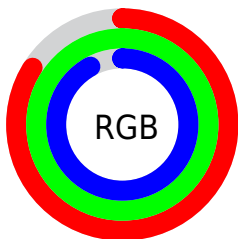
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 242, 255
Decimal	14090218
CIE <sub>Lab</sub>	96.72, -17.06, 5.69
CIE <sub>LCh</sub>	97, 17.986, 161.567
Yxy	91.7567, 0.2996, 0.3509
Android (android.graphics.Color)	4292280298 (0xFFD6FFEA)
YUV	240.3470, -3.1291, -23.1063
Hunter-Lab	95.7897, -21.6445, 10.4857

# Details

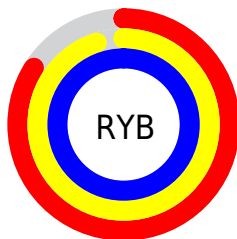
The Yxy color **91.7567, 0.2996, 0.3509** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.3664, 0.3282, 0.3081**, and the grayscale version is **87.4599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9734, 0.2969, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **87.4910, 0.2919, 0.3666**, and if you desaturate by 10%, it is **96.6804, 0.3077, 0.3368**.

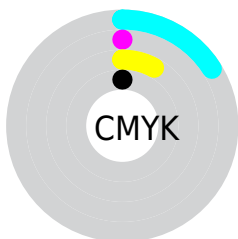
# Distribution



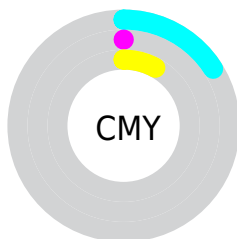
- Red (84%)
- Green (100%)
- Blue (92%)



- Red (84%)
- Yellow (95%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.7567, 0.2996, 0.3509 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 91.7567, 0.2996, 0.3509 by changing the saturation by 10% instead.




 91.7567, 0.2996,  
0.3509

 91.7567, 0.2996,  
0.3509


533.7289, 0.3055,  
0.3410

 69.4386, 0.2983,  
0.3531


149.7761, 0.3016,  
0.3475

 51.0690, 0.2967,  
0.3558


186.2462, 0.3024,  
0.3462

 36.2635, 0.2947,  
0.3592


228.2024, 0.3031,  
0.3450

 24.6378, 0.2921,  
0.3635

276.0291, 0.3037,  
0.3440

 15.8074, 0.2887,  
0.3693

330.1108, 0.3042,  
0.3431

 9.3880, 0.2839,  
0.3775

390.8317, 0.3047,

 4.9951, 0.2767,

0.3424

0.3898

458.5762, 0.3051,  
0.3417

■ 2.2444, 0.2649,  
0.4103

■ 0.7440, 0.2008,  
0.5141

■ 91.7567, 0.2996,  
0.3509

■ 91.7567, 0.2996,  
0.3509

■ 87.4910, 0.2919,  
0.3666

■ 96.6804, 0.3077,  
0.3368

■ 83.8516, 0.2848,  
0.3837

100.0000, 0.3127,  
0.3290

■ 80.8081, 0.2787,  
0.4023

■ 78.3263, 0.2739,  
0.4219

■ 76.3687, 0.2708,  
0.4422

■ 74.8926, 0.2696,  
0.4627

■ 73.8485, 0.2704,  
0.4826

■ 73.1751, 0.2732,  
0.5015

■ 72.9767, 0.2746,  
0.5086

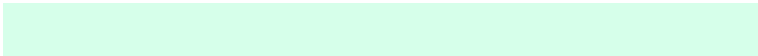
# Harmonies

## Analogous

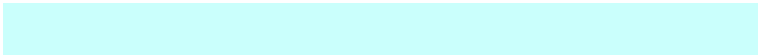
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7567, 0.3196, 0.3623



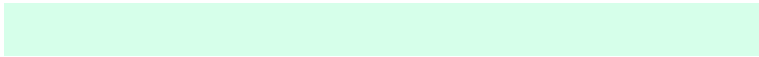
91.7567, 0.2996, 0.3509



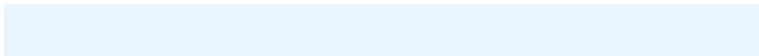
91.7567, 0.2835, 0.3332

# Triad

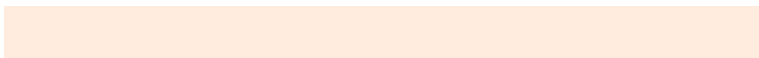
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.7567, 0.2996, 0.3509



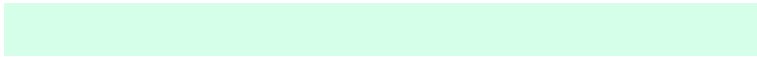
91.7567, 0.2871, 0.2955



91.7567, 0.3519, 0.3411

# Complementary

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



91.7567, 0.2996, 0.3509



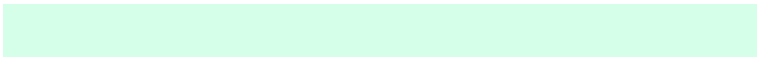
75.3664, 0.3282, 0.3081

# 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.



91.7567, 0.3426, 0.3239



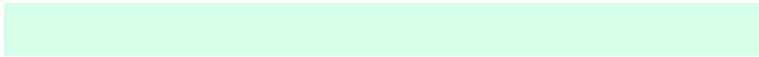
91.7567, 0.2996, 0.3509



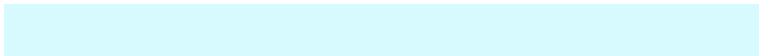
91.7567, 0.3048, 0.2982

# Square

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



91.7567, 0.2996, 0.3509



91.7567, 0.2764, 0.3013



91.7567, 0.3252, 0.3085

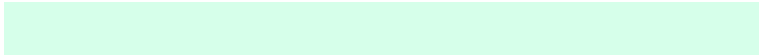


91.7567, 0.3502, 0.3558

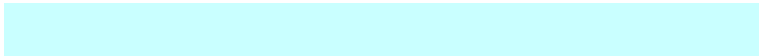


# Rectangle

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



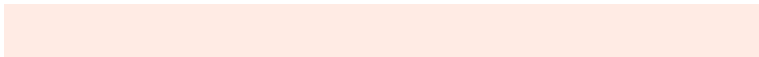
91.7567, 0.2996, 0.3509



91.7567, 0.2769, 0.3207



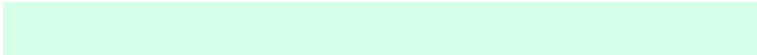
91.7567, 0.3252, 0.3085



91.7567, 0.3499, 0.3354

# Sweetspot

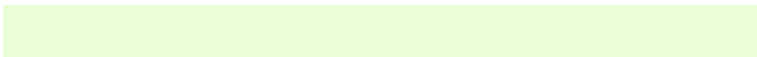
The Sweet Spot groups the original color and five complimentary colors.



91.7576, 0.2996, 0.3509



97.2470, 0.3086, 0.3354



94.0714, 0.3240, 0.3707



20.7350, 0.3080, 0.3363



0.0000, 0.0000, 0.0000

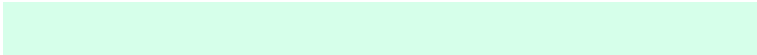


21.4041, 0.3127, 0.3290

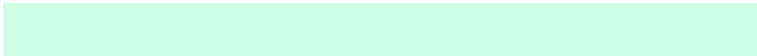


# Same Dimension

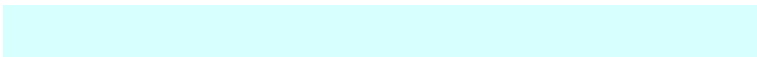
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.7576, 0.2996, 0.3509



90.4406, 0.2973, 0.3553



92.9956, 0.2887, 0.3296



20.3155, 0.3049, 0.3415



38.1618, 0.2738, 0.5057



3.7377, 0.2679, 0.4845



# Inverse Universe

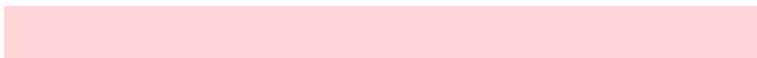
The Inverse Universe completely reimagines the original color for something new.



75.3664, 0.3282, 0.3081



71.4617, 0.3316, 0.3041



74.2557, 0.3428, 0.3284



18.1428, 0.3213, 0.3169



11.9946, 0.4907, 0.2477



1.1900, 0.4660, 0.2341



# Previews

## White Background



This preview shows how the Yxy color 91.7567, 0.2996, 0.3509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

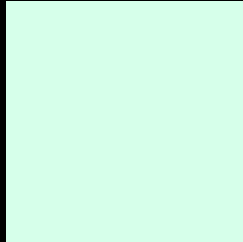
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.7567, 0.2996, 0.3509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

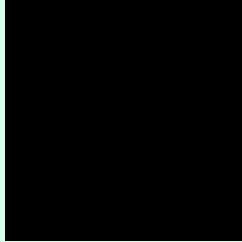
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

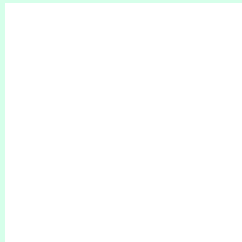
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.7567, 0.2996, 0.3509**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.7567, 0.2996, 0.3509.

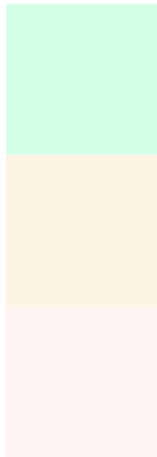


This preview shows how white text looks on a background with the Yxy color 91.7567, 0.2996, 0.3509.

# 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

91.7567, 0.2996, 0.3509

### Protanopia

91.1855, 0.3284, 0.3448

### Deuteranopia

91.1751, 0.3212, 0.3290



## Tritanopia

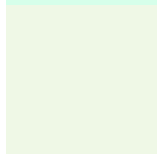
91.5744, 0.3012, 0.3211

# Trichromacy



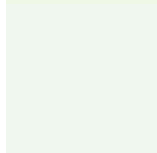
## Original Color

91.7567, 0.2996, 0.3509



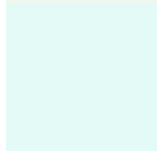
## Protanomaly

91.1987, 0.3176, 0.3471



## Deuteranomaly

91.2788, 0.3130, 0.3370



## Tritanomaly

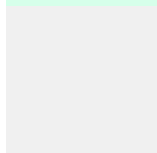
91.5806, 0.3008, 0.3320

# Monochromacy



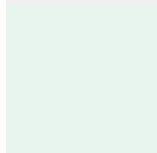
## Original Color

91.7567, 0.2996, 0.3509



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.4668, 0.3079, 0.3361

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.7567, 0.2996, 0.3509 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(214, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 234)  
}
```

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(214, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 91.7567, 0.2996, 0.3509 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(214, 255, 234) }
```

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

```
.border{ border-color:rgb(214, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(214, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.7567, 0.2996, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 234) }
```

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

```
.background{ background-color: rgb(214,  
255, 234) }
```

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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