

# Converting Colors

$Yxy(91.9267, 0.2992, 0.3225)$

Have a look what the booklet for  
Yxy(91.9267, 0.2992, 0.3225)  
contains.

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# Color

**Yxy(91.6784, 0.2993, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9F8FF
RGB	233, 248, 255
RGB Percent	91%, 97%, 100%
CMY	0.0864, 0.0274, 0.0000
CMYK	0.09, 0.03, 0.00, 0.00
HSL	199°, 100%, 96%
HSV	199°, 9%, 100%
XYZ	85.2154, 91.6784, 107.8218
YIQ	244.3130, -11.1870, -1.0030

# Conversions

## Conversions Part 2

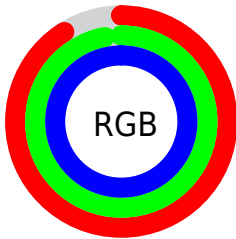
Format	Color
R <sub>Y</sub> B	233, 242, 255
Decimal	15333631
CIE Lab	96.69, -3.60, -5.06
CIE LCh	97, 6.207, 234.568
Yxy	91.6784, 0.2993, 0.3220
Android (android.graphics.Color)	4293523711 (0xFFE9F8FF)
YUV	244.3130, 5.2687, -9.9215
Hunter-Lab	95.7488, -8.6975, 0.2583

# Details

The Yxy color **91.6784, 0.2993, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.4363, 0.3271, 0.3359**, and the grayscale version is **90.6924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.1236, 0.2965, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **82.8295, 0.2837, 0.3131**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

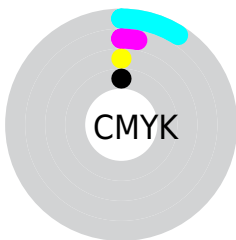
# Distribution



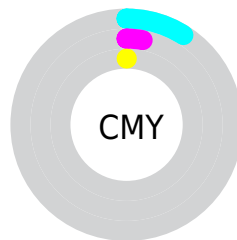
- Red (91%)
- Green (97%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.6784, 0.2993, 0.3220 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 91.6784, 0.2993, 0.3220 by changing the saturation by 10% instead.




 91.6784, 0.2993,  
0.3220

 91.6784, 0.2993,  
0.3220


533.4756, 0.3052,  
0.3251

 69.3735, 0.2980,  
0.3213


149.6676, 0.3013,  
0.3231

 51.0160, 0.2964,  
0.3205


186.1207, 0.3021,  
0.3235

 36.2213, 0.2945,  
0.3194


228.0587, 0.3028,  
0.3239

 24.6052, 0.2920,  
0.3181

275.8660, 0.3034,  
0.3242

 15.7831, 0.2887,  
0.3163

329.9269, 0.3039,  
0.3245

 9.3708, 0.2843,  
0.3138

390.6259, 0.3044,

 4.9838, 0.2778,

0.3247

0.3101

458.3473, 0.3048,  
0.3249

■ 2.2378, 0.2674,  
0.3041

■ 0.7405, 0.2435,  
0.2927

■ 91.6784, 0.2993,  
0.3220

■ 91.6784, 0.2993,  
0.3220

■ 82.8295, 0.2837,  
0.3131

100.0000, 0.3127,  
0.3290

■ 74.7835, 0.2684,  
0.3034

■ 67.5122, 0.2535,  
0.2929

■ 60.9822, 0.2396,  
0.2817

■ 55.1569, 0.2270,  
0.2699

■ 49.9960, 0.2160,  
0.2578

■ 45.4539, 0.2070,  
0.2455

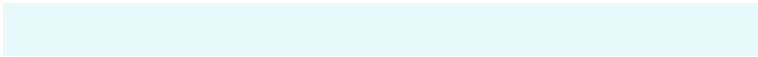
■ 41.4770, 0.2000,  
0.2333

■ 37.9902, 0.1950,  
0.2213

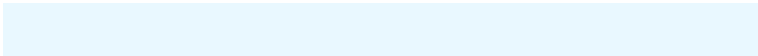
# Harmonies

## Analogous

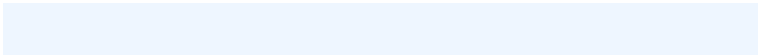
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6784, 0.3008, 0.3278



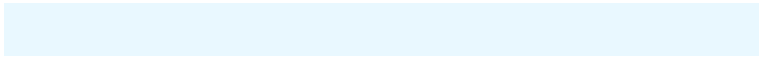
91.6784, 0.2993, 0.3220



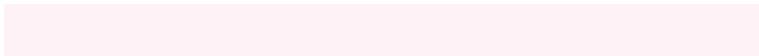
91.6784, 0.3013, 0.3182

# Triad

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



91.6784, 0.2993, 0.3220



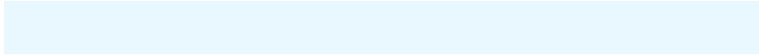
91.6784, 0.3199, 0.3241



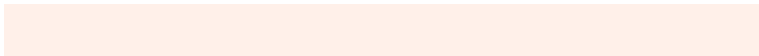
91.6784, 0.3190, 0.3411

# Complementary

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



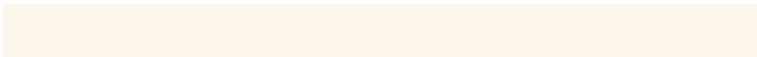
91.6784, 0.2993, 0.3220



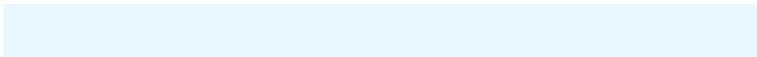
89.4363, 0.3271, 0.3359

# Split Complementary

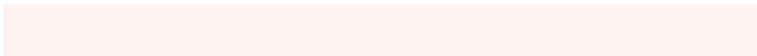
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.6784, 0.3242, 0.3399



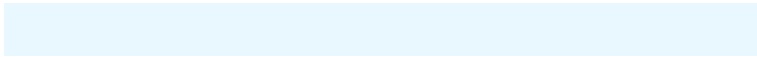
91.6784, 0.2993, 0.3220



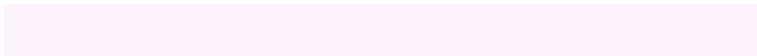
91.6784, 0.3247, 0.3300

# Square

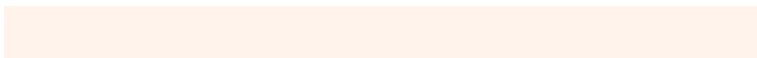
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



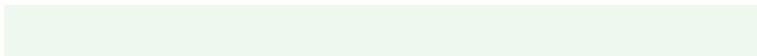
91.6784, 0.2993, 0.3220



91.6784, 0.3132, 0.3194



91.6784, 0.3263, 0.3358

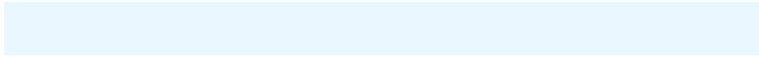


91.6784, 0.3122, 0.3389



# Rectangle

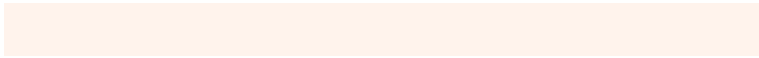
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.6784, 0.2993, 0.3220



91.6784, 0.3044, 0.3172



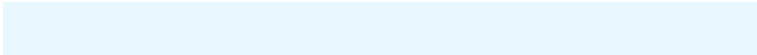
91.6784, 0.3263, 0.3358



91.6784, 0.3210, 0.3410

# Sweetspot

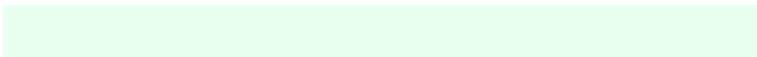
The Sweet Spot groups the original color and five complimentary colors.



91.6814, 0.2993, 0.3220



97.0396, 0.3081, 0.3266



95.1267, 0.3077, 0.3441



20.6039, 0.3068, 0.3260



0.0000, 0.0000, 0.0000

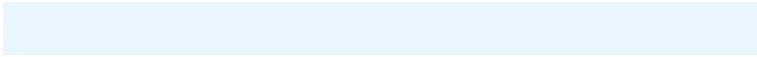


21.4041, 0.3127, 0.3290

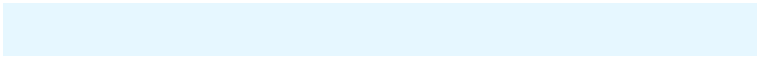


# Same Dimension

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



91.6814, 0.2993, 0.3220



90.4284, 0.2972, 0.3209



85.1121, 0.2993, 0.3109



19.4527, 0.2980, 0.3213



19.8963, 0.1949, 0.2217



2.1340, 0.1987, 0.2354



# Inverse Universe

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



86.2990, 0.3181, 0.3144



84.2857, 0.3190, 0.3120



96.1116, 0.3260, 0.3465



18.1966, 0.3187, 0.3129



12.7365, 0.4214, 0.2095

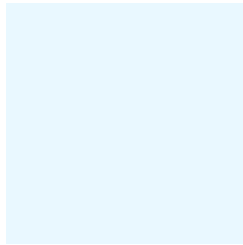


1.2600, 0.4070, 0.2016



# Previews

## White Background



This preview shows how the Yxy color 91.6784, 0.2993, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

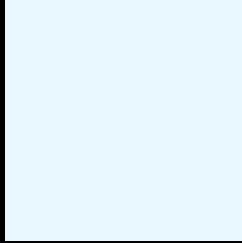
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.6784, 0.2993, 0.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

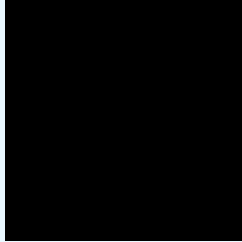
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

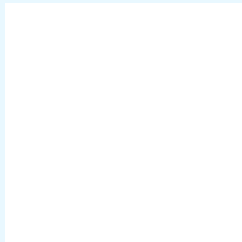
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.6784, 0.2993, 0.3220**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.6784, 0.2993, 0.3220.



This preview shows how white text looks on a background with the Yxy color 91.6784, 0.2993, 0.3220.

# 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

91.6784, 0.2993, 0.3220

### Protanopia

91.5674, 0.3093, 0.3202

### Deuteranopia

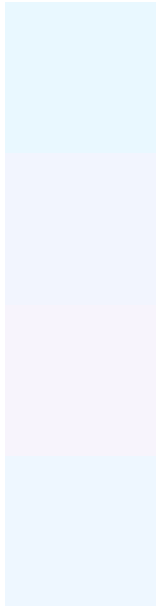
91.1356, 0.3158, 0.3194



## Tritanopia

91.8323, 0.3043, 0.3201

# Trichromacy



## Original Color

91.6784, 0.2993, 0.3220

## Protanomaly

91.3378, 0.3055, 0.3201

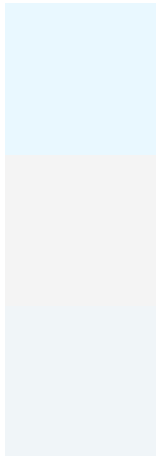
## Deuteranomaly

91.5038, 0.3099, 0.3212

## Tritanomaly

91.9187, 0.3024, 0.3211

# Monochromacy



## Original Color

91.6784, 0.2993, 0.3220

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.6074, 0.3077, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.6784, 0.2993, 0.3220 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(233, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 248, 255)  
}
```

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(233, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 91.6784, 0.2993, 0.3220 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(233, 248, 255) }
```

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

```
.border{ border-color:rgb(233, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.6784, 0.2993, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 248, 255) }
```

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

```
.background{ background-color: rgb(233,  
248, 255) }
```

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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