

# Converting Colors

$Y_{xy}(100.0000, 0.2534, 0.2400)$

Have a look what the booklet for  
Yxy(100.0000, 0.2534, 0.2400)  
contains.

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# Color

**Yxy(92.0170, 0.3005, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF8FF
RGB	235, 248, 255
RGB Percent	92%, 97%, 100%
CMY	0.0786, 0.0274, 0.0000
CMYK	0.08, 0.03, 0.00, 0.00
HSL	201°, 100%, 96%
HSV	201°, 8%, 100%
XYZ	85.8730, 92.0170, 107.8771
YIQ	244.9110, -9.9950, -0.5790

# Conversions

## Conversions Part 2

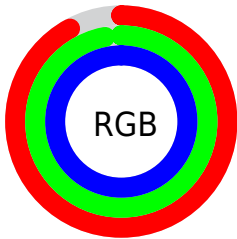
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 243, 255
Decimal	15464703
CIE Lab	96.83, -2.96, -4.85
CIE LCh	97, 5.683, 238.631
Yxy	92.0170, 0.3005, 0.3220
Android (android.graphics.Color)	4293654783 (0xFFEBF8FF)
YUV	244.9110, 4.9739, -8.6919
Hunter-Lab	95.9255, -8.0755, 0.4708

# Details

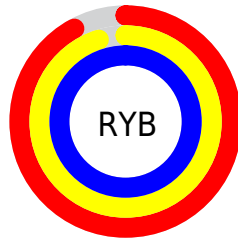
The Yxy color 92.0170, 0.3005, 0.3220 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.7276, 0.3256, 0.3359, and the grayscale version is 91.1961, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.3602, 0.2980, 0.3214 is the 20% darker color. If you saturate the color by 10%, you get 82.6477, 0.2849, 0.3123, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

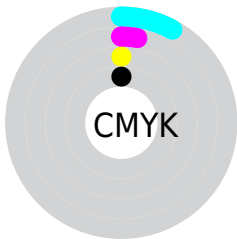
# Distribution



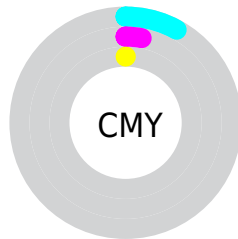
- Red (92%)
- Green (97%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.0170, 0.3005, 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 92.0170, 0.3005, 0.3220 by changing the saturation by 10% instead.




 92.0170, 0.3005,  
0.3220

 92.0170, 0.3005,  
0.3220


534.5705, 0.3059,  
0.3251

 69.6547, 0.2993,  
0.3213

150.1370, 0.3023,  
0.3231

 51.2451, 0.2979,  
0.3205


186.6634, 0.3031,  
0.3235

 36.4037, 0.2961,  
0.3194


228.6801, 0.3037,  
0.3239

 24.7462, 0.2939,  
0.3181

276.5714, 0.3042,  
0.3242

 15.8880, 0.2909,  
0.3163

330.7217, 0.3047,  
0.3245

 9.4450, 0.2868,  
0.3139

391.5154, 0.3052,

 5.0325, 0.2809,

0.3247

0.3102

459.3368, 0.3056,  
0.3249

■ 2.2664, 0.2715,  
0.3044

■ 0.7558, 0.2506,  
0.2932

■ 92.0170, 0.3005,  
0.3220

■ 92.0170, 0.3005,  
0.3220

■ 82.6477, 0.2849,  
0.3123

100.0000, 0.3127,  
0.3290

■ 74.1292, 0.2693,  
0.3017

■ 66.4306, 0.2541,  
0.2901

■ 59.5177, 0.2398,  
0.2778

■ 53.3534, 0.2266,  
0.2648

■ 47.8967, 0.2150,  
0.2513

■ 43.1015, 0.2053,  
0.2378

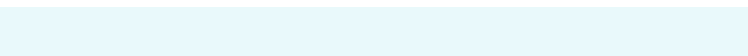
■ 38.9137, 0.1977,  
0.2242

■ 35.2627, 0.1922,  
0.2110

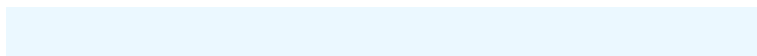
# Harmonies

## Analogous

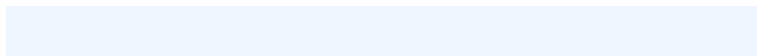
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0170, 0.3015, 0.3271



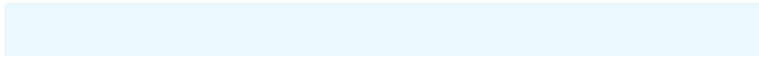
92.0170, 0.3005, 0.3220



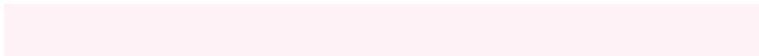
92.0170, 0.3028, 0.3188

# Triad

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



92.0170, 0.3005, 0.3220



92.0170, 0.3200, 0.3252



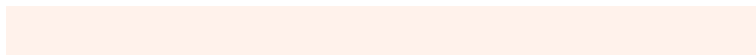
92.0170, 0.3177, 0.3399

# Complementary

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



92.0170, 0.3005, 0.3220



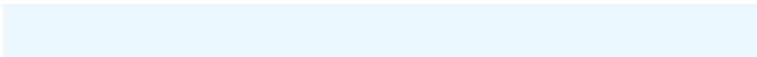
90.7276, 0.3256, 0.3359

# Split Complementary

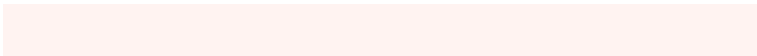
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0170, 0.3227, 0.3393



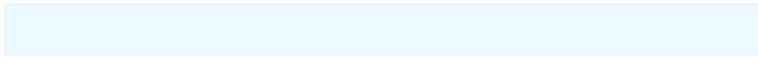
92.0170, 0.3005, 0.3220



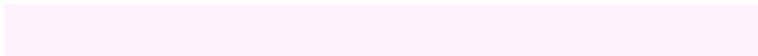
92.0170, 0.3241, 0.3307

# Square

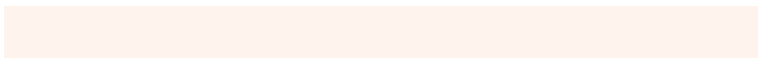
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



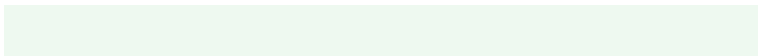
92.0170, 0.3005, 0.3220



92.0170, 0.3140, 0.3207



92.0170, 0.3251, 0.3359

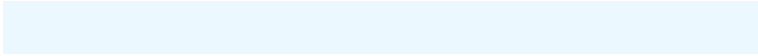


92.0170, 0.3114, 0.3376



# Rectangle

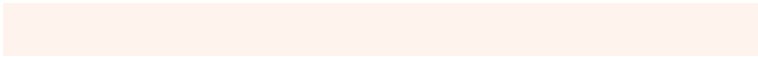
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.0170, 0.3005, 0.3220



92.0170, 0.3058, 0.3182



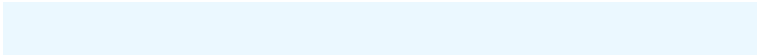
92.0170, 0.3251, 0.3359



92.0170, 0.3196, 0.3400

# Sweetspot

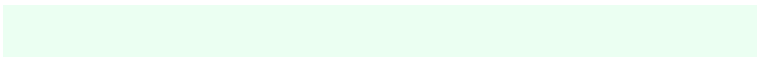
The Sweet Spot groups the original color and five complimentary colors.



92.0182, 0.3005, 0.3220



97.9164, 0.3096, 0.3273



95.5643, 0.3080, 0.3423



20.9800, 0.3098, 0.3274



0.0000, 0.0000, 0.0000

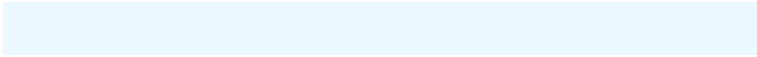


21.4041, 0.3127, 0.3290

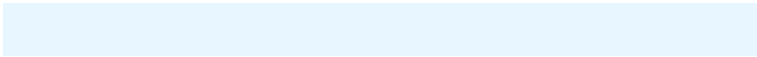


# Same Dimension

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



92.0182, 0.3005, 0.3220



90.9053, 0.2987, 0.3210



86.1985, 0.3005, 0.3123



19.3529, 0.2980, 0.3205



18.3330, 0.1918, 0.2104



1.9898, 0.1960, 0.2255



# Inverse Universe

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



87.4312, 0.3180, 0.3164



85.7167, 0.3188, 0.3145



96.6631, 0.3247, 0.3452



18.1865, 0.3192, 0.3136



12.5787, 0.4337, 0.2163

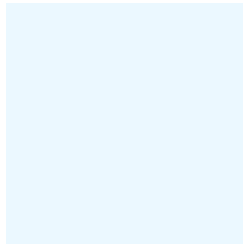


1.2454, 0.4174, 0.2073



# Previews

## White Background



This preview shows how the Yxy color 92.0170, 0.3005, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

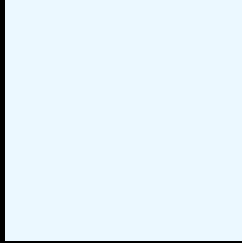
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.0170, 0.3005, 0.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

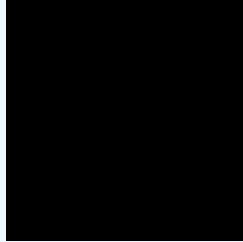
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

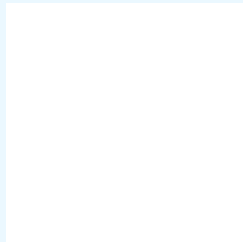
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.0170, 0.3005, 0.3220**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.0170, 0.3005, 0.3220.

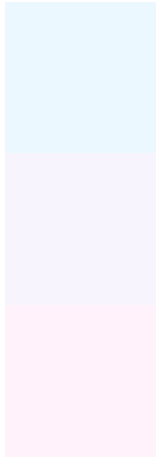


This preview shows how white text looks on a background with the Yxy color 92.0170, 0.3005, 0.3220.

# 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

92.0170, 0.3005, 0.3220

### Protanopia

91.7497, 0.3099, 0.3202

### Deuteranopia

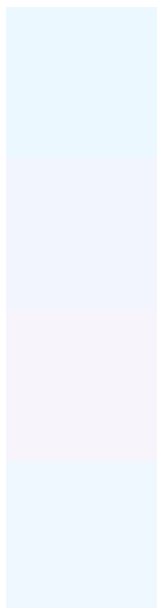
91.7293, 0.3157, 0.3203



## Tritanopia

92.0088, 0.3049, 0.3202

# Trichromacy



## Original Color

92.0170, 0.3005, 0.3220

## Protanomaly

91.5153, 0.3061, 0.3202

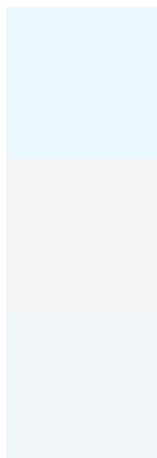
## Deuteranomaly

91.6861, 0.3105, 0.3212

## Tritanomaly

92.0923, 0.3030, 0.3211

# Monochromacy



## Original Color

92.0170, 0.3005, 0.3220

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.4519, 0.3078, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.0170, 0.3005, 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(235, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.0170, 0.3005, 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(235, 248, 255) }
```

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

```
.border{ border-color:rgb(235, 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(235, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.0170, 0.3005, 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(235, 248, 255) }
```

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

```
.background{ background-color: rgb(235,  
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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