

# Converting Colors

$Yxy(93.7416, 0.3034, 0.3236)$

Have a look what the booklet for  
Yxy(93.7416, 0.3034, 0.3236)  
contains.

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# Color

**Yxy(94.1165, 0.3036, 0.3241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FAFF
RGB	240, 250, 255
RGB Percent	94%, 98%, 100%
CMY	0.0589, 0.0196, 0.0001
CMYK	0.06, 0.02, 0.00, 0.00
HSL	200°, 100%, 97%
HSV	200°, 6%, 100%
XYZ	88.1634, 94.1165, 108.1135
YIQ	247.5800, -7.5650, -0.5650

# Conversions

## Conversions Part 2

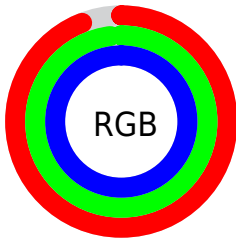
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 246, 255
Decimal	15792895
CIE Lab	97.68, -2.37, -3.53
CIE LCh	98, 4.251, 236.126
Yxy	94.1165, 0.3036, 0.3241
Android (android.graphics.Color)	4293982975 (0xFF0FAFF)
YUV	247.5800, 3.6581, -6.6477
Hunter-Lab	97.0137, -7.5578, 1.8359

# Details

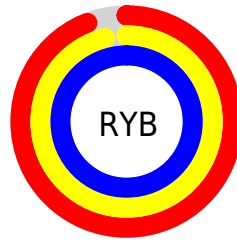
The Yxy color 94.1165, 0.3036, 0.3241 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.8238, 0.3222, 0.3339, and the grayscale version is 93.4826, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.8511, 0.3019, 0.3240 is the 20% darker color. If you saturate the color by 10%, you get 84.8328, 0.2880, 0.3151, and if you desaturate by 10%, it is 99.9991, 0.3127, 0.3290.

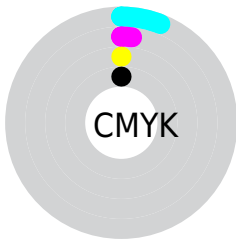
# Distribution



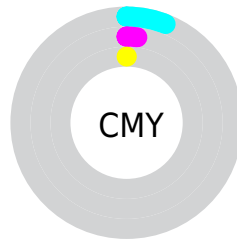
- Red (94%)
- Green (98%)
- Blue (100%)



- Red (94%)
- Yellow (96%)
- Blue (100%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.1165, 0.3036, 0.3241 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 94.1165, 0.3036, 0.3241 by changing the saturation by 10% instead.



 94.1165, 0.3036,  
0.3241

 94.1165, 0.3036,  
0.3241


541.3327, 0.3076,  
0.3263

 71.3999, 0.3027,  
0.3236


153.0435, 0.3050,  
0.3248

 52.6686, 0.3017,  
0.3230


190.0225, 0.3055,  
0.3251

 37.5383, 0.3004,  
0.3223


232.5246, 0.3060,  
0.3254

 25.6245, 0.2987,  
0.3214

280.9340, 0.3064,  
0.3256

 16.5429, 0.2965,  
0.3202

335.6351, 0.3067,  
0.3258

 9.9092, 0.2935,  
0.3185

397.0123, 0.3071,

 5.3388, 0.2892,

0.3260

465.4500, 0.3074,  
0.3261

0.3160

■ 2.4474, 0.2823,  
0.3121

■ 0.8501, 0.2691,  
0.3049

■ 94.1165, 0.3036,  
0.3241

■ 94.1165, 0.3036,  
0.3241

■ 84.8328, 0.2880,  
0.3151

99.9991, 0.3127,  
0.3290

■ 76.3783, 0.2725,  
0.3051

■ 68.7262, 0.2573,  
0.2943

■ 61.8432, 0.2430,  
0.2828

■ 55.6934, 0.2297,  
0.2706

■ 50.2372, 0.2181,  
0.2579

■ 45.4302, 0.2083,  
0.2451

■ 41.2209, 0.2005,  
0.2322

■ 37.5463, 0.1949,  
0.2196

# Harmonies

## Analogous

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



94.1165, 0.3045, 0.3280



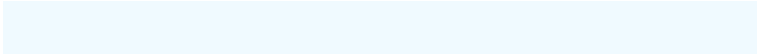
94.1165, 0.3036, 0.3241



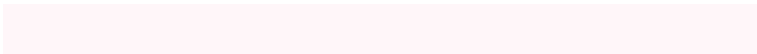
94.1165, 0.3051, 0.3216

# Triad

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



94.1165, 0.3036, 0.3241



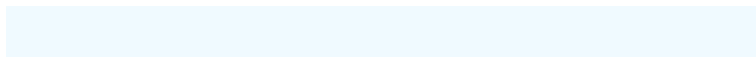
94.1165, 0.3178, 0.3258



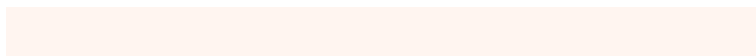
94.1165, 0.3168, 0.3371

# Complementary

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



94.1165, 0.3036, 0.3241



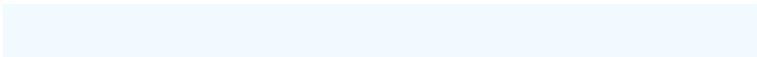
92.8238, 0.3222, 0.3339

# Split Complementary

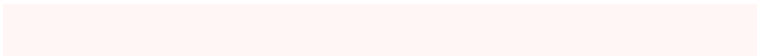
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1165, 0.3204, 0.3365



94.1165, 0.3036, 0.3241



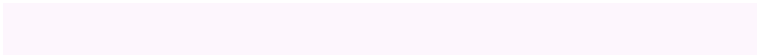
94.1165, 0.3210, 0.3299

# Square

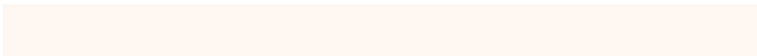
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



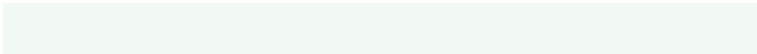
94.1165, 0.3036, 0.3241



94.1165, 0.3133, 0.3226



94.1165, 0.3219, 0.3338

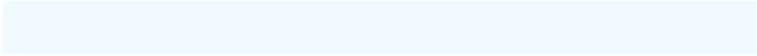


94.1165, 0.3121, 0.3356



# Rectangle

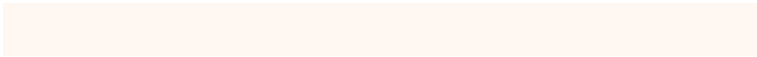
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.1165, 0.3036, 0.3241



94.1165, 0.3073, 0.3210



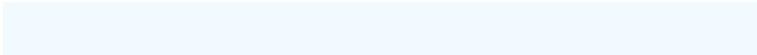
94.1165, 0.3219, 0.3338



94.1165, 0.3182, 0.3372

# Sweetspot

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



94.1205, 0.3036, 0.3241



97.9720, 0.3096, 0.3274



96.6088, 0.3093, 0.3391



20.9914, 0.3098, 0.3275



0.0000, 0.0000, 0.0000

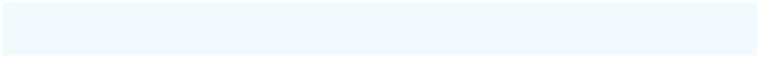


21.4041, 0.3127, 0.3290

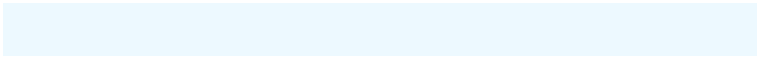


# Same Dimension

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



94.1205, 0.3036, 0.3241



93.0543, 0.3019, 0.3231



89.6818, 0.3037, 0.3169



19.7935, 0.3009, 0.3226



19.1783, 0.1935, 0.2166



2.0679, 0.1975, 0.2309



# Inverse Universe

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



90.4692, 0.3164, 0.3193



88.7601, 0.3172, 0.3175



97.3156, 0.3217, 0.3408



18.8014, 0.3176, 0.3164



12.6640, 0.4269, 0.2125



1.2533, 0.4117, 0.2042



# Previews

## White Background



This preview shows how the Yxy color 94.1165, 0.3036, 0.3241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

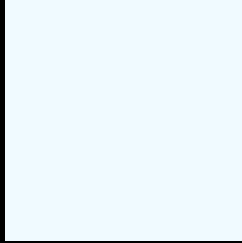
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.1165, 0.3036, 0.3241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

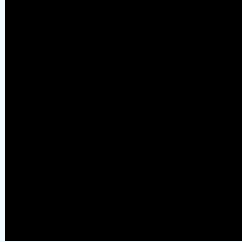
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

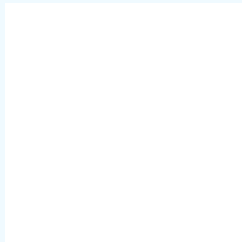
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.1165, 0.3036, 0.3241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.1165, 0.3036, 0.3241.

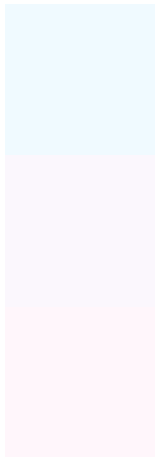


This preview shows how white text looks on a background with the Yxy color 94.1165, 0.3036, 0.3241.

# 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

94.1165, 0.3036, 0.3241

### Protanopia

94.1226, 0.3117, 0.3232

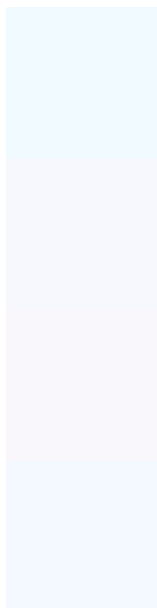
### Deuteranopia

94.1366, 0.3155, 0.3242

## **Tritanopia**

93.9476, 0.3074, 0.3222

# Trichromacy



## Original Color

94.1165, 0.3036, 0.3241

## Protanomaly

94.0647, 0.3086, 0.3232

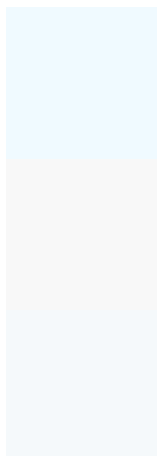
## Deuteranomaly

93.8738, 0.3117, 0.3242

## Tritanomaly

94.2045, 0.3061, 0.3231

# Monochromacy



## Original Color

94.1165, 0.3036, 0.3241

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.1289, 0.3090, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.1165, 0.3036, 0.3241 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(240, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 250, 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(240, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 94.1165, 0.3036, 0.3241 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(240, 250, 255) }
```

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

```
.border{ border-color:rgb(240, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 250, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 250, 255); box-shadow:4px 4px 4px 4px rgb(240, 250, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.1165, 0.3036, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 250, 255) }
```

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

```
.background{ background-color: rgb(240,  
250, 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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