

# Converting Colors

$Y_{xy}(100.0000, 0.3035, 0.3354)$

Have a look what the booklet for  
Yxy(100.0000, 0.3035, 0.3354)  
contains.

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# Color

**Yxy(96.7890, 0.3034, 0.3309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFFFD
RGB	238, 255, 253
RGB Percent	93%, 100%, 99%
CMY	0.0668, 0.0000, 0.0077
CMYK	0.07, 0.00, 0.01, 0.00
HSL	173°, 100%, 97%
HSV	173°, 7%, 100%
XYZ	88.7452, 96.7890, 106.9681
YIQ	249.6890, -9.4900, -4.2260

# Conversions

## Conversions Part 2

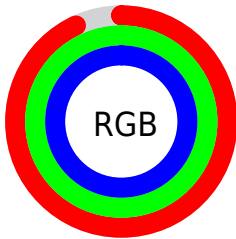
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 247, 255
Decimal	15663101
CIE Lab	98.74, -5.89, -0.98
CIE LCh	99, 5.976, 189.484
Yxy	96.7890, 0.3034, 0.3309
Android (android.graphics.Color)	4293853181 (0xFFEEFFFD)
YUV	249.6890, 1.6323, -10.2513
Hunter-Lab	98.3814, -11.1511, 4.4022

# Details

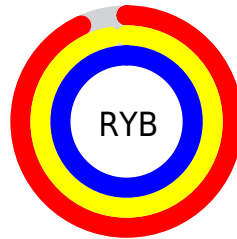
The Yxy color 96.7890, 0.3034, 0.3309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.6742, 0.3229, 0.3271, and the grayscale version is 95.3141, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.3188, 0.3018, 0.3315 is the 20% darker color. If you saturate the color by 10%, you get 92.4953, 0.2900, 0.3340, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

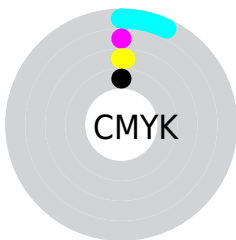
# Distribution



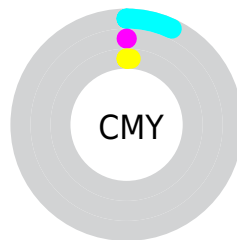
- Red (93%)
- Green (100%)
- Blue (99%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.7890, 0.3034, 0.3309 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 96.7890, 0.3034, 0.3309 by changing the saturation by 10% instead.



 96.7890, 0.3034,  
0.3309

 96.7890, 0.3034,  
0.3309


549.8765, 0.3075,  
0.3301

 73.6249, 0.3025,  
0.3311


156.7339, 0.3048,  
0.3306

 54.4871, 0.3014,  
0.3313

194.2834, 0.3053,  
0.3305

 38.9912, 0.3001,  
0.3315


237.3968, 0.3058,  
0.3304

 26.7529, 0.2984,  
0.3319

286.4586, 0.3062,  
0.3303

 17.3877, 0.2962,  
0.3323

341.8530, 0.3066,  
0.3303

 10.5113, 0.2933,  
0.3329

403.9646, 0.3069,

 5.7393, 0.2889,

0.3302

0.3337

473.1776, 0.3072,  
0.3301

■ 2.6872, 0.2822,  
0.3349

■ 0.9707, 0.2697,  
0.3372

■ 96.7890, 0.3034,  
0.3309

■ 96.7890, 0.3034,  
0.3309

■ 92.4953, 0.2900,  
0.3340

100.0000, 0.3127,  
0.3290

■ 88.8071, 0.2775,  
0.3373

■ 85.6926, 0.2662,  
0.3408

■ 83.1217, 0.2563,  
0.3446

■ 81.0614, 0.2482,  
0.3485

■ 79.4751, 0.2420,  
0.3525

■ 78.3212, 0.2378,  
0.3565

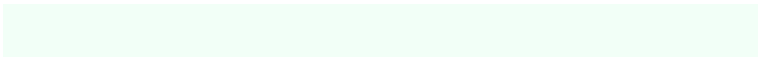
■ 77.5510, 0.2355,  
0.3606

■ 77.1034, 0.2349,  
0.3646

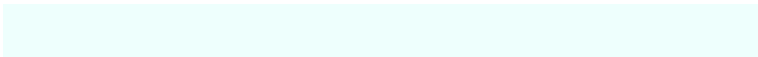
# Harmonies

## Analogous

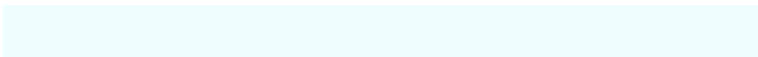
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.7890, 0.3090, 0.3363



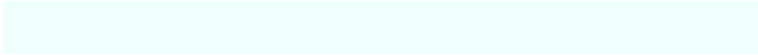
96.7890, 0.3034, 0.3309



96.7890, 0.3003, 0.3250

# Triad

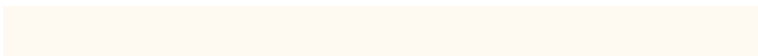
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.7890, 0.3034, 0.3309



96.7890, 0.3098, 0.3185



96.7890, 0.3250, 0.3377

# Complementary

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



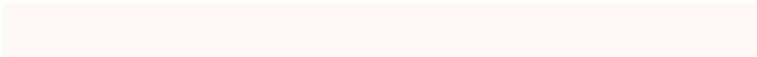
96.7890, 0.3034, 0.3309



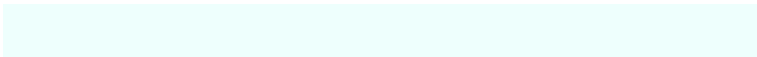
88.6742, 0.3229, 0.3271

# 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.



96.7890, 0.3253, 0.3328



96.7890, 0.3034, 0.3309



96.7890, 0.3164, 0.3219

# Square

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



96.7890, 0.3034, 0.3309



96.7890, 0.3040, 0.3179



96.7890, 0.3221, 0.3271



96.7890, 0.3215, 0.3402

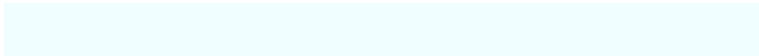


# Rectangle

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



96.7890, 0.3034, 0.3309



96.7890, 0.3001, 0.3216



96.7890, 0.3221, 0.3271



96.7890, 0.3255, 0.3362

# Sweetspot

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



96.7854, 0.3034, 0.3309



99.0079, 0.3099, 0.3296



96.2075, 0.3132, 0.3459



21.2021, 0.3100, 0.3295



0.0000, 0.0000, 0.0000

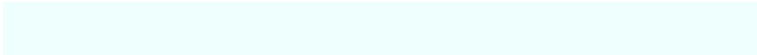


21.4041, 0.3127, 0.3290



# Same Dimension

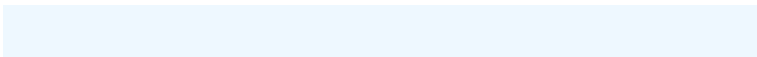
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.7854, 0.3034, 0.3309



96.1842, 0.3016, 0.3313



92.8145, 0.3024, 0.3225



20.4434, 0.2995, 0.3317



40.2461, 0.2348, 0.3652

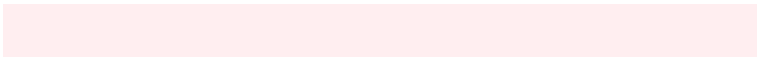


3.9284, 0.2335, 0.3606

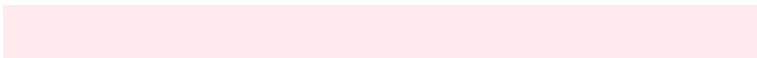


# Inverse Universe

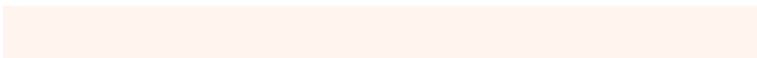
The Inverse Universe completely reimagines the original color for something new.



88.6742, 0.3229, 0.3271



86.5589, 0.3251, 0.3267



92.4299, 0.3235, 0.3354



18.0210, 0.3276, 0.3263



11.1666, 0.6264, 0.3225

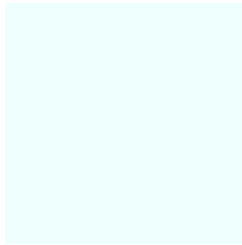


1.0977, 0.6031, 0.3096



# Previews

## White Background



This preview shows how the Yxy color 96.7890, 0.3034, 0.3309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

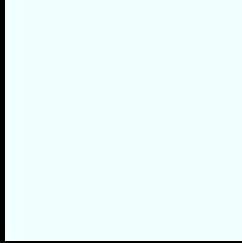
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.7890, 0.3034, 0.3309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

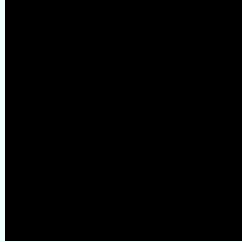
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.7890, 0.3034, 0.3309**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.7890, 0.3034, 0.3309.

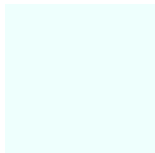


This preview shows how white text looks on a background with the Yxy color 96.7890, 0.3034, 0.3309.

# 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

96.7890, 0.3034, 0.3309



### Protanopia

96.5333, 0.3159, 0.3290

### Deuteranopia

96.6595, 0.3147, 0.3271

## **Tritanopia**

96.3541, 0.3091, 0.3251

# Trichromacy



**Original Color**

96.7890, 0.3034, 0.3309

**Protanomaly**

96.7256, 0.3114, 0.3300

**Deuteranomaly**

96.7888, 0.3108, 0.3290

**Tritanomaly**

96.1890, 0.3072, 0.3270

# Monochromacy



**Original Color**

96.7890, 0.3034, 0.3309

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.1787, 0.3096, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.7890, 0.3034, 0.3309 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(238, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 253)  
}
```

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(238, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 96.7890, 0.3034, 0.3309 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(238, 255, 253) }
```

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

```
.border{ border-color:rgb(238, 255, 253) }
```

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

Here you see how a box with a 4 pixel rgb(238, 255, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.7890, 0.3034, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 253) }
```

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

```
.background{ background-color: rgb(238,  
255, 253) }
```

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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