

# Converting Colors

$Yxy(74.6768, 0.2617, 0.3312)$

Have a look what the booklet for  
Yxy(74.6768, 0.2617, 0.3312)  
contains.

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# Color

**Yxy(74.3315, 0.2617, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96EFED
RGB	150, 239, 237
RGB Percent	59%, 94%, 93%
CMY	0.4116, 0.0627, 0.0706
CMYK	0.37, 0.00, 0.01, 0.06
HSL	179°, 74%, 76%
HSV	179°, 37%, 94%
XYZ	58.7336, 74.3315, 91.3658
YIQ	212.1610, -52.4020, -19.4900

# Conversions

## Conversions Part 2

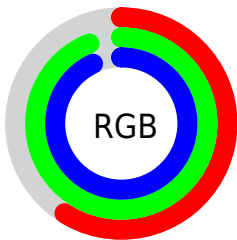
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	150, 195, 239
Decimal	9891821
CIE Lab	89.08, -27.05, -7.47
CIE LCh	89, 28.061, 195.441
Yxy	74.3315, 0.2617, 0.3312
Android (android.graphics.Color)	4288081901 (0xFF96EFED)
YUV	212.1610, 12.2456, -54.5152
Hunter-Lab	86.2157, -29.2762, -2.4807

# Details

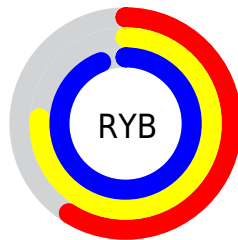
The Yxy color **74.3315, 0.2617, 0.3312** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.4432, 0.4020, 0.3270**, and the grayscale version is **65.9003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **39.5303, 0.2501, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **72.2615, 0.2512, 0.3319**, and if you desaturate by 10%, it is **76.8699, 0.2738, 0.3305**.

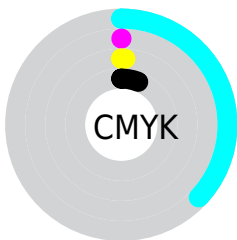
# Distribution



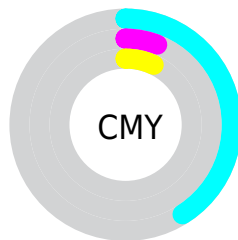
- Red (59%)
- Green (94%)
- Blue (93%)



- Red (59%)
- Yellow (76%)
- Blue (94%)



- Cyan (37%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)




- Cyan (41%)
- Magenta (6%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3315, 0.2617, 0.3312 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 74.3315, 0.2617, 0.3312 by changing the saturation by 10% instead.



 74.3315, 0.2617,  
0.3312


 74.3315, 0.2617,  
0.3312


475.6167, 0.2849,  
0.3306

 55.0654, 0.2565,  
0.3312

 125.3656, 0.2697,  
0.3311

 39.4541, 0.2502,  
0.3312


 157.9024, 0.2728,  
0.3310

 27.1132, 0.2422,  
0.3311


195.6316, 0.2755,  
0.3309

 17.6582, 0.2320,  
0.3309

238.9375, 0.2778,  
0.3309

 10.7049, 0.2184,  
0.3303

288.2046, 0.2799,  
0.3308

 5.8688, 0.1994,  
0.3289

343.8172, 0.2817,

 2.7654, 0.1714,

0.3307

406.1598, 0.2834,  
0.3307

0.3257

1.0105, 0.0958,  
0.3280

0.0000, 0.0000,  
0.0000

74.3315, 0.2617,  
0.3312

74.3315, 0.2617,  
0.3312

72.2615, 0.2512,  
0.3319

76.8699, 0.2738,  
0.3305

70.6227, 0.2425,  
0.3326


79.8937, 0.2872,  
0.3299

69.3868, 0.2358,  
0.3333

83.4299, 0.3017,  
0.3294

68.5181, 0.2310,  
0.3341


87.5009, 0.3170,  
0.3289

 67.9748, 0.2281,  
0.3348

 89.2658, 0.3229,  
0.3284

 67.7024, 0.2268,  
0.3355

 89.2979, 0.3226,  
0.3278

 67.6510, 0.2266,  
0.3357

 89.3300, 0.3222,  
0.3273

 89.3623, 0.3219,  
0.3268

 89.3946, 0.3216,  
0.3263

# Harmonies

## Analogous

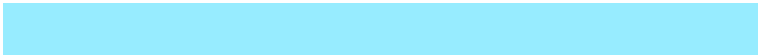
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3315, 0.2865, 0.3628



74.3315, 0.2617, 0.3312



74.3315, 0.2504, 0.3010

# Triad

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



74.3315, 0.2617, 0.3312



74.3315, 0.3034, 0.2804



74.3315, 0.3736, 0.3753

# Complementary

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



74.3315, 0.2617, 0.3312



42.4432, 0.4020, 0.3270

# 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.



74.3315, 0.3794, 0.3513



74.3315, 0.2617, 0.3312



74.3315, 0.3376, 0.2982

# Square

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



74.3315, 0.2617, 0.3312



74.3315, 0.2734, 0.2739



74.3315, 0.3660, 0.3235



74.3315, 0.3512, 0.3884

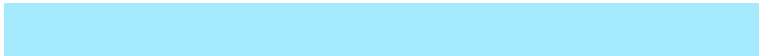


# Rectangle

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



74.3315, 0.2617, 0.3312



74.3315, 0.2514, 0.2861



74.3315, 0.3660, 0.3235



74.3315, 0.3777, 0.3682

# Sweetspot

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



74.3344, 0.2617, 0.3312



95.0221, 0.2961, 0.3296



70.7086, 0.3092, 0.4416



20.2185, 0.2941, 0.3297



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.



74.3344, 0.2617, 0.3312



84.1716, 0.2532, 0.3317



52.8717, 0.2533, 0.2776



17.9225, 0.2984, 0.3295



37.3882, 0.2266, 0.3356



3.1123, 0.2263, 0.3346



# Inverse Universe

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



42.4432, 0.4020, 0.3270



42.0676, 0.4317, 0.3267



58.0568, 0.3866, 0.3750



15.7646, 0.3290, 0.3285



10.1501, 0.6377, 0.3286

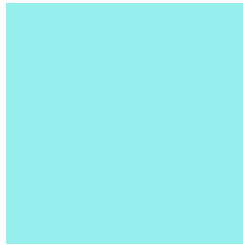


0.8464, 0.6314, 0.3252



# Previews

## White Background



This preview shows how the Yxy color 74.3315, 0.2617, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

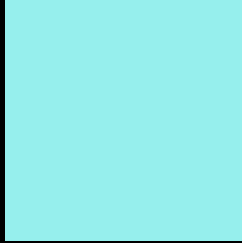
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.3315, 0.2617, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

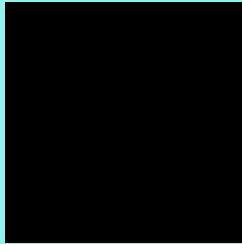
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.3315, 0.2617, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3315, 0.2617, 0.3312.

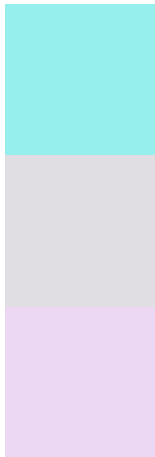


This preview shows how white text looks on a background with the Yxy color 74.3315, 0.2617, 0.3312.

# 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

74.3315, 0.2617, 0.3312

### Protanopia

73.7962, 0.3116, 0.3237

### Deuteranopia

73.3554, 0.3097, 0.3022



## Tritanopia

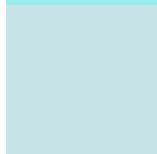
74.1795, 0.2550, 0.3073

# Trichromacy



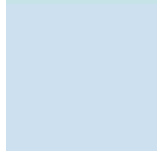
## Original Color

74.3315, 0.2617, 0.3312



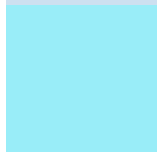
## Protanomaly

73.2621, 0.2909, 0.3256



## Deuteranomaly

72.5817, 0.2899, 0.3115



## Tritanomaly

74.1180, 0.2575, 0.3162

# Monochromacy



## Original Color

74.3315, 0.2617, 0.3312



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

68.2818, 0.2908, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3315, 0.2617, 0.3312 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(150, 239, 237)` looks like.

```
.text, #text, p{  
    color:rgb(150, 239, 237)  
}
```

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(150, 239, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 239, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3315, 0.2617, 0.3312 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(150, 239, 237) }
```

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

```
.border{ border-color:rgb(150, 239, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 239, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 239, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 239, 237);  
box-shadow:4px 4px 4px 4px rgb(150, 239,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3315, 0.2617, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 239, 237) }
```

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

```
.background{ background-color: rgb(150,  
239, 237) }
```

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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