

# Converting Colors

$Yxy(74.7876, 0.2565, 0.3268)$

Have a look what the booklet for  
Yxy(74.7876, 0.2565, 0.3268)  
contains.

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# Color

**Yxy(74.6603, 0.2567, 0.3265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90F0F2
RGB	144, 240, 242
RGB Percent	56%, 94%, 95%
CMY	0.4349, 0.0589, 0.0510
CMYK	0.40, 0.01, 0.00, 0.05
HSL	181°, 79%, 76%
HSV	181°, 40%, 95%
XYZ	58.6992, 74.6603, 95.3091
YIQ	211.5240, -57.8580, -19.7300

# Conversions

## Conversions Part 2

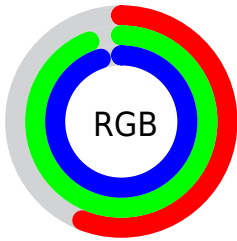
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 192, 242
Decimal	9498866
CIELab	89.23, -27.80, -9.88
CIElCh	89, 29.501, 199.567
Yxy	74.6603, 0.2567, 0.3265
Android (android.graphics.Color)	4287688946 (0xFF90F0F2)
YUV	211.5240, 15.0247, -59.2185
Hunter-Lab	86.4062, -29.9485, -4.9146

# Details

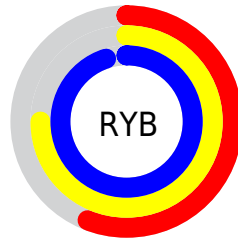
The Yxy color **74.6603, 0.2567, 0.3265** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.4784, 0.4152, 0.3315**, and the grayscale version is **65.4489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **39.8046, 0.2442, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **72.4210, 0.2464, 0.3258**, and if you desaturate by 10%, it is **77.3733, 0.2687, 0.3272**.

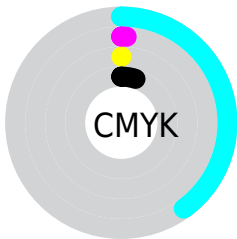
# Distribution



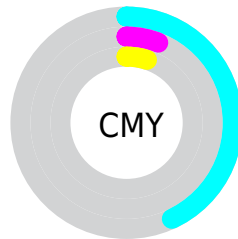
- Red (56%)
- Green (94%)
- Blue (95%)



- Red (56%)
- Yellow (75%)
- Blue (95%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)




- Cyan (43%)
- Magenta (6%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6603, 0.2567, 0.3265 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 74.6603, 0.2567, 0.3265 by changing the saturation by 10% instead.




 74.6603, 0.2567,  
0.3265

 74.6603, 0.2567,  
0.3265


476.7492, 0.2820,  
0.3282

 55.3346, 0.2511,  
0.3260

 125.8314, 0.2654,  
0.3272

 39.6697, 0.2442,  
0.3253


 158.4456, 0.2688,  
0.3274

 27.2811, 0.2356,  
0.3243


196.2581, 0.2717,  
0.3276

 17.7845, 0.2246,  
0.3229

239.6533, 0.2743,  
0.3278

 10.7954, 0.2100,  
0.3206

289.0157, 0.2766,  
0.3279

 5.9294, 0.1898,  
0.3168

344.7295, 0.2786,

 2.8022, 0.1605,

0.3280

0.3096

407.1792, 0.2804,  
0.3281

1.0294, 0.0863,  
0.3034

0.0000, 0.0000,  
0.0000

74.6603, 0.2567,  
0.3265

74.6603, 0.2567,  
0.3265

72.4210, 0.2464,  
0.3258

77.3733, 0.2687,  
0.3272

70.6166, 0.2380,  
0.3251


80.5786, 0.2821,  
0.3278


69.2162, 0.2315,  
0.3244


84.3046, 0.2966,  
0.3284

68.1815, 0.2269,  
0.3237

88.5747, 0.3120,  
0.3290


 67.4666, 0.2242,  
0.3231


 91.4464, 0.3212,  
0.3295

 67.0100, 0.2229,  
0.3224

 91.7411, 0.3212,  
0.3300

 92.0366, 0.3211,  
0.3304

 92.3329, 0.3211,  
0.3309

 92.6299, 0.3211,  
0.3314

# Harmonies

## Analogous

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



74.6603, 0.2809, 0.3604



74.6603, 0.2567, 0.3265



74.6603, 0.2471, 0.2958

# Triad

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



74.6603, 0.2567, 0.3265



74.6603, 0.3078, 0.2801



74.6603, 0.3743, 0.3802

# Complementary

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



74.6603, 0.2567, 0.3265



41.4784, 0.4152, 0.3315

# 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.



74.6603, 0.3831, 0.3561



74.6603, 0.2567, 0.3265



74.6603, 0.3435, 0.3001

# Square

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



74.6603, 0.2567, 0.3265



74.6603, 0.2752, 0.2715



74.6603, 0.3717, 0.3272



74.6603, 0.3488, 0.3920

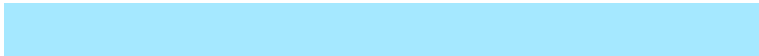


# Rectangle

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



74.6603, 0.2567, 0.3265



74.6603, 0.2497, 0.2814



74.6603, 0.3717, 0.3272



74.6603, 0.3794, 0.3732

# Sweetspot

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



74.6632, 0.2567, 0.3265



94.2541, 0.2943, 0.3283



71.5011, 0.3060, 0.4518



20.0519, 0.2923, 0.3282



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.



74.6632, 0.2567, 0.3265



81.8760, 0.2477, 0.3259



49.7896, 0.2471, 0.2659



17.8704, 0.2981, 0.3285



36.0294, 0.2229, 0.3226



3.0148, 0.2232, 0.3234



# Inverse Universe

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



45.1423, 0.3191, 0.2311



44.2957, 0.3205, 0.2123



59.7759, 0.3926, 0.3841



16.0255, 0.3141, 0.3062



13.4305, 0.3261, 0.1570

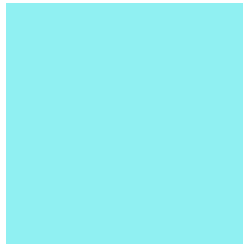


1.1191, 0.3253, 0.1566



# Previews

## White Background



This preview shows how the Yxy color 74.6603, 0.2567, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

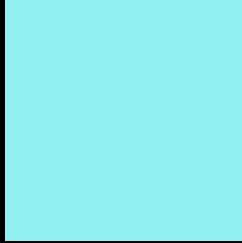
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6603, 0.2567, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

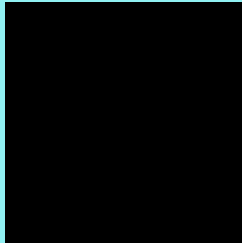
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.6603, 0.2567, 0.3265**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6603, 0.2567, 0.3265.

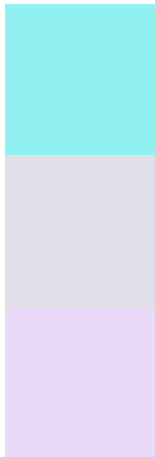


This preview shows how white text looks on a background with the Yxy color 74.6603, 0.2567, 0.3265.

# 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

74.6603, 0.2567, 0.3265

### Protanopia

74.0196, 0.3090, 0.3194

### Deuteranopia

73.8335, 0.3050, 0.2982



## Tritanopia

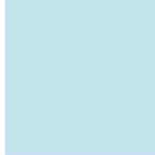
74.6584, 0.2547, 0.3084

# Trichromacy



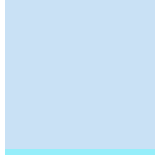
## Original Color

74.6603, 0.2567, 0.3265



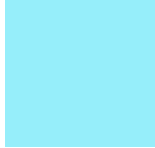
## Protanomaly

73.7725, 0.2873, 0.3223



## Deuteranomaly

72.8605, 0.2845, 0.3071



## Tritanomaly

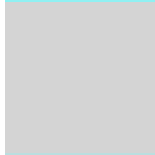
74.5352, 0.2553, 0.3150

# Monochromacy



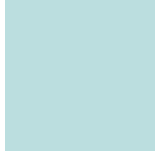
## Original Color

74.6603, 0.2567, 0.3265



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

68.1351, 0.2883, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6603, 0.2567, 0.3265 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(144, 240, 242)` looks like.

```
.text, #text, p{  
    color:rgb(144, 240, 242)  
}
```

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(144, 240, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 240, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6603, 0.2567, 0.3265 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(144, 240, 242) }
```

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

```
.border{ border-color:rgb(144, 240, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 240, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 240, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 240, 242);  
box-shadow:4px 4px 4px 4px rgb(144, 240,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6603, 0.2567, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 240, 242) }
```

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

```
.background{ background-color: rgb(144,  
240, 242) }
```

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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