

# Converting Colors

$Yxy(74.4088, 0.2620, 0.3399)$

Have a look what the booklet for  
Yxy(74.4088, 0.2620, 0.3399)  
contains.

<b>Yxy(74.6094, 0.2621, 0.3407)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(74.6094, 0.2621, 0.3407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90F1E7
RGB	144, 241, 231
RGB Percent	56%, 95%, 91%
CMY	0.4348, 0.0550, 0.0941
CMYK	0.40, 0.00, 0.04, 0.05
HSL	174°, 78%, 76%
HSV	174°, 40%, 95%
XYZ	57.3969, 74.6094, 86.9823
YIQ	210.8570, -54.6020, -23.6740

# Conversions

## Conversions Part 2

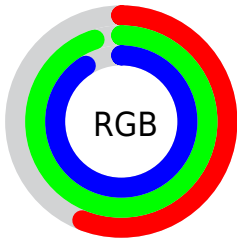
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 195, 241
Decimal	9499111
CIELab	89.21, -30.87, -4.18
CIELCh	89, 31.149, 187.711
Yxy	74.6094, 0.2621, 0.3407
Android (android.graphics.Color)	4287689191 (0xFF90F1E7)
YUV	210.8570, 9.9305, -58.6336
Hunter-Lab	86.3767, -32.5469, 0.7581

# Details

The Yxy color **74.6094, 0.2621, 0.3407** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.0184, 0.4042, 0.3182**, and the grayscale version is **65.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **39.8587, 0.2506, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **72.5275, 0.2528, 0.3441**, and if you desaturate by 10%, it is **77.1624, 0.2730, 0.3375**.

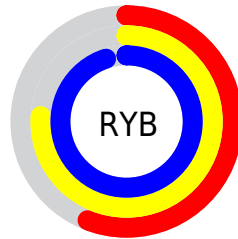
# Distribution



Red (56%)

Green (95%)

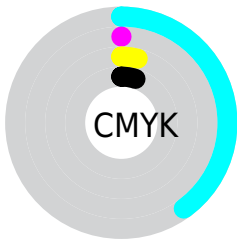
Blue (91%)



Red (56%)

Yellow (76%)

Blue (95%)

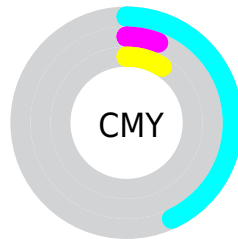


Cyan (40%)

Magenta (0%)

Yellow (4%)

Black (5%)



Cyan (43%)

Magenta (6%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6094, 0.2621, 0.3407 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 74.6094, 0.2621, 0.3407 by changing the saturation by 10% instead.




 74.6094, 0.2621,  
0.3407


 74.6094, 0.2621,  
0.3407


476.5740, 0.2852,  
0.3356

 55.2930, 0.2569,  
0.3418

 125.7593, 0.2700,  
0.3390

 39.6363, 0.2506,  
0.3431


 158.3615, 0.2731,  
0.3383

 27.2551, 0.2426,  
0.3446


196.1612, 0.2758,  
0.3377

 17.7649, 0.2324,  
0.3466

239.5426, 0.2782,  
0.3372

 10.7813, 0.2187,  
0.3490

288.8902, 0.2802,  
0.3367

 5.9200, 0.1995,  
0.3521

344.5883, 0.2821,

 2.7965, 0.1710,

0.3363

407.0215, 0.2837,  
0.3360

0.3559

1.0264, 0.0794,  
0.3782

0.0000, 0.0000,  
0.0000

74.6094, 0.2621,  
0.3407

74.6094, 0.2621,  
0.3407

72.5275, 0.2528,  
0.3441

77.1624, 0.2730,  
0.3375

70.8782, 0.2452,  
0.3476


80.2048, 0.2852,  
0.3344

69.6312, 0.2396,  
0.3512


83.7646, 0.2985,  
0.3316


68.7485, 0.2359,  
0.3548

87.8650, 0.3124,  
0.3290


 68.1850, 0.2341,  
0.3583


 90.6584, 0.3204,  
0.3267

 67.8683, 0.2338,  
0.3618

 90.8098, 0.3189,  
0.3243

 90.9632, 0.3174,  
0.3219

 91.1186, 0.3159,  
0.3195

 91.2761, 0.3143,  
0.3171

# Harmonies

## Analogous

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



74.6094, 0.2923, 0.3745



74.6094, 0.2621, 0.3407



74.6094, 0.2456, 0.3055

# Triad

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



74.6094, 0.2621, 0.3407



74.6094, 0.2929, 0.2724



74.6094, 0.3839, 0.3739

# Complementary

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



74.6094, 0.2621, 0.3407



41.0184, 0.4042, 0.3182

# 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.



74.6094, 0.3849, 0.3455



74.6094, 0.2621, 0.3407



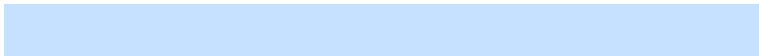
74.6094, 0.3306, 0.2891

# Square

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



74.6094, 0.2621, 0.3407



74.6094, 0.2625, 0.2687



74.6094, 0.3649, 0.3151



74.6094, 0.3630, 0.3927

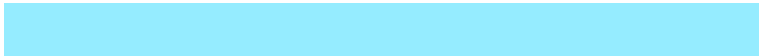


# Rectangle

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



74.6094, 0.2621, 0.3407



74.6094, 0.2438, 0.2870



74.6094, 0.3649, 0.3151



74.6094, 0.3866, 0.3651

# Sweetspot

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



74.6124, 0.2621, 0.3407



94.4499, 0.2960, 0.3321



71.9299, 0.3137, 0.4504



20.0984, 0.2942, 0.3325



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

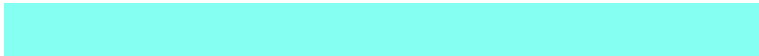


# Same Dimension

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



74.6124, 0.2621, 0.3407



82.9085, 0.2545, 0.3434



55.4071, 0.2502, 0.2831



17.8993, 0.2995, 0.3314



36.8203, 0.2337, 0.3612



3.0711, 0.2324, 0.3565



# Inverse Universe

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



41.0184, 0.4042, 0.3182



39.9765, 0.4328, 0.3163



53.8665, 0.3978, 0.3701



15.7853, 0.3277, 0.3266



10.1877, 0.6280, 0.3233

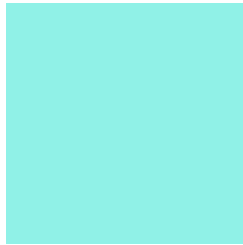


0.8563, 0.6027, 0.3094



# Previews

## White Background



This preview shows how the Yxy color 74.6094, 0.2621, 0.3407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

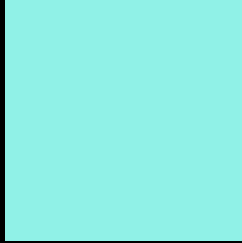
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6094, 0.2621, 0.3407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

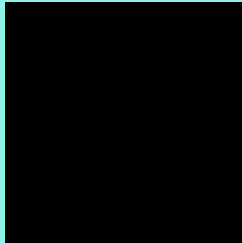
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.6094, 0.2621, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6094, 0.2621, 0.3407.

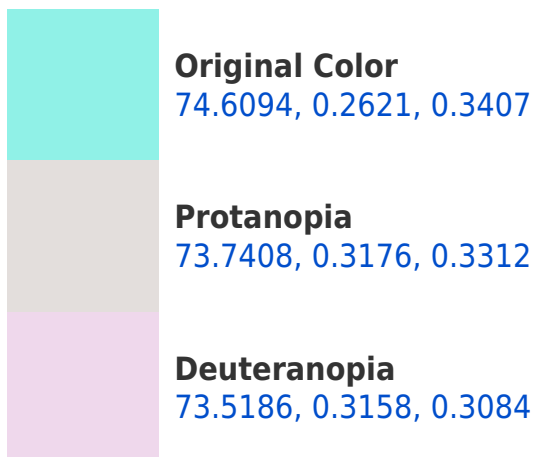


This preview shows how white text looks on a background with the Yxy color 74.6094, 0.2621, 0.3407.

# 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





## Tritanopia

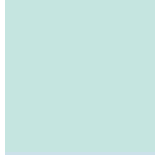
74.7569, 0.2552, 0.3084

# Trichromacy



## Original Color

74.6094, 0.2621, 0.3407



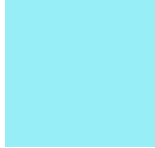
## Protanomaly

73.2908, 0.2944, 0.3346



## Deuteranomaly

72.6283, 0.2929, 0.3190



## Tritanomaly

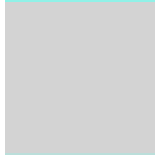
74.3822, 0.2577, 0.3196

# Monochromacy



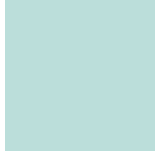
## Original Color

74.6094, 0.2621, 0.3407



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

67.8693, 0.2913, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6094, 0.2621, 0.3407 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, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(144, 241, 231)  
}
```

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, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 241, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6094, 0.2621, 0.3407 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, 241, 231) }
```

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

```
.border{ border-color:rgb(144, 241, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 241, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(144, 241,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6094, 0.2621, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 241, 231) }
```

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

```
.background{ background-color: rgb(144,  
241, 231) }
```

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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