

# Converting Colors

$Y_{xy}(74.1573, 0.2600, 0.3409)$

Have a look what the booklet for  
Yxy(74.1573, 0.2600, 0.3409)  
contains.

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# Color

**Yxy(74.1691, 0.2597, 0.3408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BF1E7
RGB	139, 241, 231
RGB Percent	55%, 95%, 91%
CMY	0.4551, 0.0549, 0.0941
CMYK	0.42, 0.00, 0.04, 0.05
HSL	174°, 78%, 75%
HSV	174°, 42%, 95%
XYZ	56.5191, 74.1691, 86.9441
YIQ	209.3620, -57.5820, -24.7340

# Conversions

## Conversions Part 2

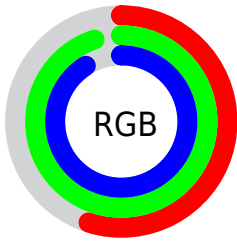
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	139, 193, 241
Decimal	9171431
CIE <sub>Lab</sub>	89.00, -32.14, -4.51
CIE <sub>LCh</sub>	89, 32.453, 187.988
Y <sub>xy</sub>	74.1691, 0.2597, 0.3408
Android (android.graphics.Color)	4287361511 (0xFF8BF1E7)
YUV	209.3620, 10.6675, -61.7075
Hunter-Lab	86.1215, -33.5680, 0.4287

# Details

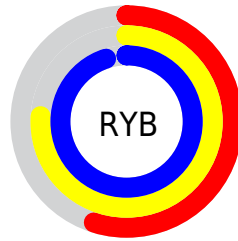
The Yxy color **74.1691, 0.2597, 0.3408** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.3181, 0.4122, 0.3182**, and the grayscale version is **63.9588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **39.5818, 0.2477, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **72.1896, 0.2507, 0.3440**, and if you desaturate by 10%, it is **76.6135, 0.2703, 0.3377**.

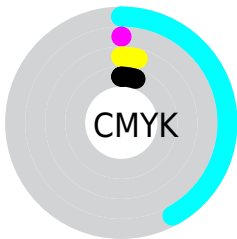
# Distribution



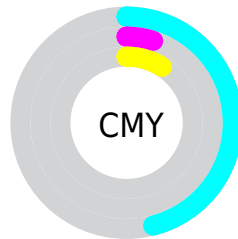
- Red (55%)
- Green (95%)
- Blue (91%)



- Red (55%)
- Yellow (76%)
- Blue (95%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)




- Cyan (46%)
- Magenta (5%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1691, 0.2597, 0.3408 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 74.1691, 0.2597, 0.3408 by changing the saturation by 10% instead.




 74.1691, 0.2597,  
0.3408

 74.1691, 0.2597,  
0.3408


475.0568, 0.2839,  
0.3357

 54.9325, 0.2543,  
0.3419


 125.1355, 0.2680,  
0.3391

 39.3476, 0.2476,  
0.3432


 157.6340, 0.2713,  
0.3384

 27.0303, 0.2393,  
0.3447


195.3220, 0.2741,  
0.3378

 17.5960, 0.2286,  
0.3466

238.5837, 0.2765,  
0.3373

 10.6603, 0.2143,  
0.3490

287.8037, 0.2787,  
0.3368

 5.8389, 0.1942,  
0.3519

343.3663, 0.2806,

 2.7474, 0.1646,

0.3364

405.6558, 0.2823,  
0.3360

0.3553

1.0013, 0.0618,  
0.3802

0.0000, 0.0000,  
0.0000

74.1691, 0.2597,  
0.3408

74.1691, 0.2597,  
0.3408

72.1896, 0.2507,  
0.3440

76.6135, 0.2703,  
0.3377

70.6358, 0.2435,  
0.3474


79.5415, 0.2824,  
0.3348


69.4764, 0.2383,  
0.3508

82.9816, 0.2955,  
0.3320

68.6724, 0.2350,  
0.3542


86.9574, 0.3094,  
0.3296

 68.1762, 0.2335,  
0.3576

 90.6386, 0.3208,  
0.3273

 67.9487, 0.2334,  
0.3601

 90.7821, 0.3194,  
0.3250

 90.9275, 0.3179,  
0.3227

 91.0746, 0.3164,  
0.3204

 91.2237, 0.3150,  
0.3182

# Harmonies

## Analogous

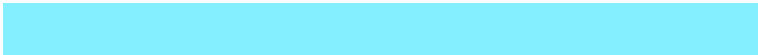
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1691, 0.2910, 0.3764



74.1691, 0.2597, 0.3408



74.1691, 0.2427, 0.3041

# Triad

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



74.1691, 0.2597, 0.3408



74.1691, 0.2924, 0.2702



74.1691, 0.3869, 0.3759

# Complementary

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



74.1691, 0.2597, 0.3408



39.3181, 0.4122, 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.



74.1691, 0.3882, 0.3463



74.1691, 0.2597, 0.3408



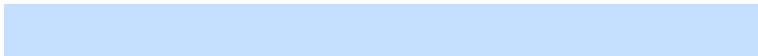
74.1691, 0.3316, 0.2877

# Square

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



74.1691, 0.2597, 0.3408



74.1691, 0.2606, 0.2662



74.1691, 0.3675, 0.3147



74.1691, 0.3648, 0.3955

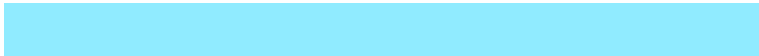


# Rectangle

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



74.1691, 0.2597, 0.3408



74.1691, 0.2410, 0.2848



74.1691, 0.3675, 0.3147



74.1691, 0.3898, 0.3667

# Sweetspot

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



74.1720, 0.2597, 0.3408



94.0384, 0.2945, 0.3322



71.1838, 0.3125, 0.4584



19.9337, 0.2916, 0.3328



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

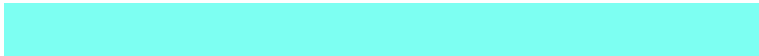


# Same Dimension

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



74.1720, 0.2597, 0.3408



82.3023, 0.2517, 0.3437



53.2285, 0.2466, 0.2780



17.9007, 0.2994, 0.3313



36.8538, 0.2332, 0.3596



3.0736, 0.2320, 0.3551



# Inverse Universe

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



39.3181, 0.4122, 0.3182



37.7407, 0.4454, 0.3164



53.1141, 0.4030, 0.3741



15.7840, 0.3278, 0.3267



10.1847, 0.6287, 0.3237

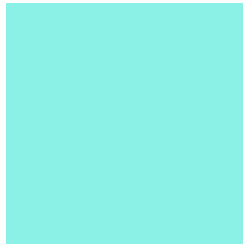


0.8557, 0.6044, 0.3103



# Previews

## White Background



This preview shows how the Yxy color 74.1691, 0.2597, 0.3408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

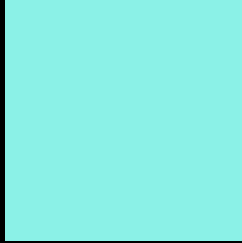
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.1691, 0.2597, 0.3408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

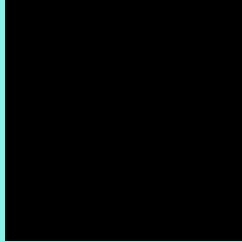
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.1691, 0.2597, 0.3408**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1691, 0.2597, 0.3408.

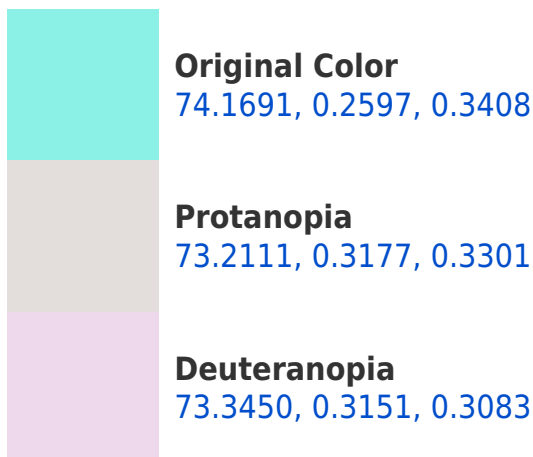


This preview shows how white text looks on a background with the Yxy color 74.1691, 0.2597, 0.3408.

# 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

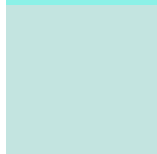
74.2724, 0.2528, 0.3083

# Trichromacy



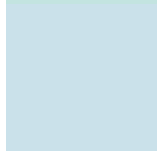
## Original Color

74.1691, 0.2597, 0.3408



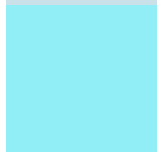
## Protanomaly

72.4707, 0.2931, 0.3335



## Deuteranomaly

72.3475, 0.2916, 0.3190



## Tritanomaly

73.9139, 0.2553, 0.3195

# Monochromacy



## Original Color

74.1691, 0.2597, 0.3408



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.9130, 0.2899, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1691, 0.2597, 0.3408 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(139, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 241, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1691, 0.2597, 0.3408 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(139, 241, 231) }
```

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

```
.border{ border-color:rgb(139, 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(139, 241, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(139, 241,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1691, 0.2597, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 241, 231) }
```

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

```
.background{ background-color: rgb(139,  
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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