

# Converting Colors

$Y_{xy}(73.1078, 0.2682, 0.3555)$

Have a look what the booklet for  
Yxy(73.1078, 0.2682, 0.3555)  
contains.

<b>Yxy(73.3114, 0.2683, 0.3555)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(73.3114, 0.2683, 0.3555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90F0DA
RGB	144, 240, 218
RGB Percent	56%, 94%, 85%
CMY	0.4350, 0.0589, 0.1450
CMYK	0.40, 0.00, 0.09, 0.06
HSL	166°, 76%, 75%
HSV	166°, 40%, 94%
XYZ	55.3290, 73.3114, 77.5802
YIQ	208.7880, -50.1540, -27.1940

# Conversions

## Conversions Part 2

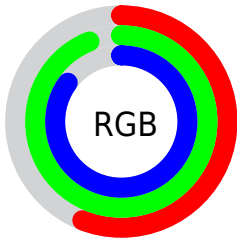
Format	Color
<a href="#">RYB</a>	<a href="#">144, 198, 240</a>
Decimal	<a href="#">9498842</a>
CIELab	<a href="#">88.60, -33.36, 1.71</a>
CIELCh	<a href="#">89, 33.403, 177.073</a>
Yxy	<a href="#">73.3114, 0.2683, 0.3555</a>
Android (android.graphics.Color)	<a href="#">4287688922</a> ( <a href="#">0xFF90F0DA</a> )
YUV	<a href="#">208.7880, 4.5415, -56.8191</a>
Hunter-Lab	<a href="#">85.6221, -34.4920, 6.2142</a>

# Details

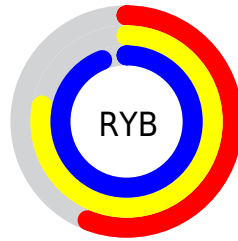
The Yxy color **73.3114, 0.2683, 0.3555** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.2492, 0.3902, 0.3048**, and the grayscale version is **63.6233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **38.9516, 0.2579, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **71.0936, 0.2600, 0.3634**, and if you desaturate by 10%, it is **76.0040, 0.2780, 0.3481**.

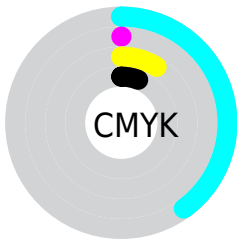
# Distribution



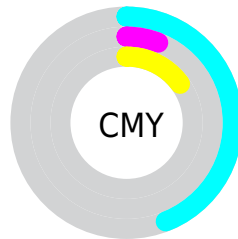
- Red (56%)
- Green (94%)
- Blue (85%)



- Red (56%)
- Yellow (78%)
- Blue (94%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)




- Cyan (44%)
- Magenta (6%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3114, 0.2683, 0.3555 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 73.3114, 0.2683, 0.3555 by changing the saturation by 10% instead.





 73.3114, 0.2683,  
0.3555


 73.3114, 0.2683,  
0.3555


472.0934, 0.2888,  
0.3432

 54.2306, 0.2636,  
0.3583


 123.9192, 0.2754,  
0.3512

 38.7861, 0.2579,  
0.3618

 156.2150, 0.2782,  
0.3496

 26.5933, 0.2506,  
0.3663


193.6846, 0.2805,  
0.3481

 17.2681, 0.2411,  
0.3721

236.7124, 0.2826,  
0.3469

 10.4258, 0.2283,  
0.3800

285.6828, 0.2844,  
0.3458

 5.6822, 0.2100,  
0.3915

340.9801, 0.2861,

 2.6528, 0.1820,

0.3448

0.4094

402.9889, 0.2875,  
0.3440

0.9533, 0.0460,  
0.4863

0.0000, 0.0000,  
0.0000

73.3114, 0.2683,  
0.3555

73.3114, 0.2683,  
0.3555

71.0936, 0.2600,  
0.3634

76.0040, 0.2780,  
0.3481

69.3124, 0.2534,  
0.3716


79.1894, 0.2889,  
0.3411


67.9378, 0.2486,  
0.3801


82.8953, 0.3005,  
0.3348

66.9323, 0.2459,  
0.3887


87.1450, 0.3128,  
0.3290

 66.2513, 0.2451,  
0.3972

 90.1981, 0.3192,  
0.3237

 65.8199, 0.2460,  
0.4056

 90.5398, 0.3158,  
0.3184

 65.8185, 0.2460,  
0.4057

 90.7946, 0.3134,  
0.3146

# Harmonies

## Analogous

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



73.3114, 0.3043, 0.3882



73.3114, 0.2683, 0.3555



73.3114, 0.2449, 0.3162

# Triad

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



73.3114, 0.2683, 0.3555



73.3114, 0.2784, 0.2652



73.3114, 0.3925, 0.3669

# Complementary

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



73.3114, 0.2683, 0.3555



41.2492, 0.3902, 0.3048

# 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.



73.3114, 0.3854, 0.3348



73.3114, 0.2683, 0.3555



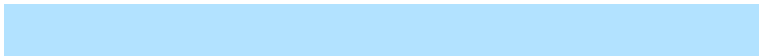
73.3114, 0.3172, 0.2785

# Square

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



73.3114, 0.2683, 0.3555



73.3114, 0.2505, 0.2666



73.3114, 0.3571, 0.3033



73.3114, 0.3769, 0.3920



# Rectangle

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



73.3114, 0.2683, 0.3555



73.3114, 0.2387, 0.2934



73.3114, 0.3571, 0.3033



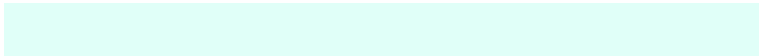
73.3114, 0.3928, 0.3565

# Sweetspot

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



73.3143, 0.2683, 0.3555



94.2081, 0.2981, 0.3360



72.4873, 0.3208, 0.4470



20.0412, 0.2965, 0.3368



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.



73.3143, 0.2683, 0.3555



82.0183, 0.2614, 0.3619



60.5303, 0.2528, 0.2977



17.8634, 0.3011, 0.3345



36.0546, 0.2456, 0.4043



3.0143, 0.2425, 0.3931



# Inverse Universe

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



41.2492, 0.3902, 0.3048



40.4860, 0.4150, 0.3002



49.1603, 0.4022, 0.3577



15.8181, 0.3257, 0.3236



10.3085, 0.5993, 0.3075

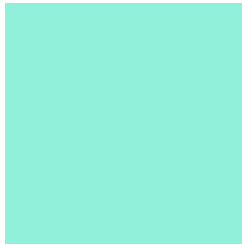


0.8723, 0.5629, 0.2875



# Previews

## White Background



This preview shows how the Yxy color 73.3114, 0.2683, 0.3555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

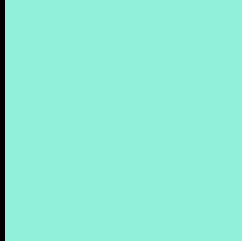
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.3114, 0.2683, 0.3555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

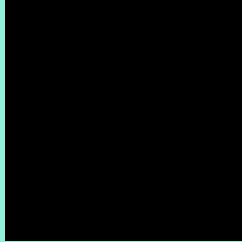
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.3114, 0.2683, 0.3555**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3114, 0.2683, 0.3555.

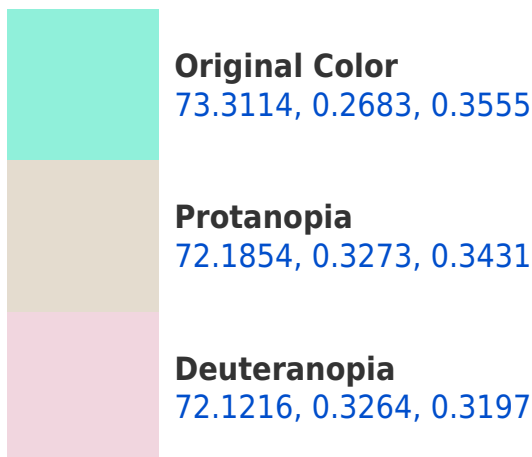


This preview shows how white text looks on a background with the Yxy color 73.3114, 0.2683, 0.3555.

# 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

73.3447, 0.2543, 0.3071

# Trichromacy



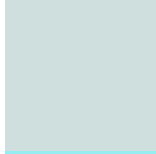
## Original Color

73.3114, 0.2683, 0.3555



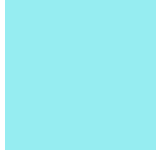
## Protanomaly

71.5116, 0.3023, 0.3473



## Deuteranomaly

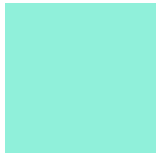
71.1176, 0.3022, 0.3312



## Tritanomaly

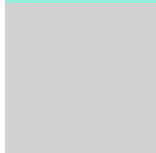
73.4033, 0.2594, 0.3242

# Monochromacy



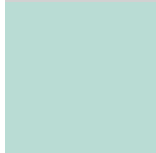
## Original Color

73.3114, 0.2683, 0.3555



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.2542, 0.2936, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3114, 0.2683, 0.3555 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(144, 240, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 240, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3114, 0.2683, 0.3555 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, 218) }
```

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

```
.border{ border-color:rgb(144, 240, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 240, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 240, 218);  
box-shadow:4px 4px 4px 4px rgb(144, 240,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3114, 0.2683, 0.3555 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, 218) }
```

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

```
.background{ background-color: rgb(144,  
240, 218) }
```

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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