

# Converting Colors

$Y_{xy}(70.0041, 0.2725, 0.3410)$

Have a look what the booklet for  
Yxy(70.0041, 0.2725, 0.3410)  
contains.

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# Color

**Yxy(70.2563, 0.2724, 0.3409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EE8DE
RGB	158, 232, 222
RGB Percent	62%, 91%, 87%
CMY	0.3804, 0.0902, 0.1295
CMYK	0.32, 0.00, 0.04, 0.09
HSL	172°, 62%, 76%
HSV	172°, 32%, 91%
XYZ	56.1391, 70.2563, 79.6953
YIQ	208.7340, -40.8940, -18.7980

# Conversions

## Conversions Part 2

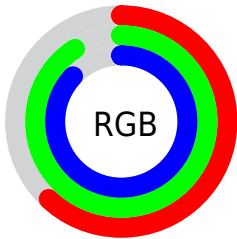
Format	Color
R <sub>Y</sub> B	158, 198, 232
Decimal	10414302
CIE Lab	87.12, -24.98, -2.44
CIE LCh	87, 25.099, 185.588
Yxy	70.2563, 0.2724, 0.3409
Android (android.graphics.Color)	4288604382 (0xFF9EE8DE)
YUV	208.7340, 6.5401, -44.4937
Hunter-Lab	83.8190, -27.1302, 2.3003

# Details

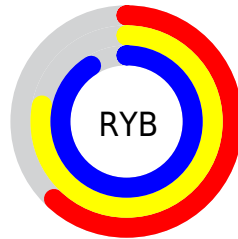
The Yxy color **70.2563, 0.2724, 0.3409** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.4379, 0.3759, 0.3177**, and the grayscale version is **63.5551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **36.7243, 0.2626, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **67.9574, 0.2620, 0.3452**, and if you desaturate by 10%, it is **73.0081, 0.2841, 0.3368**.

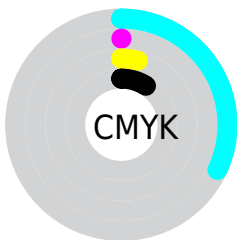
# Distribution



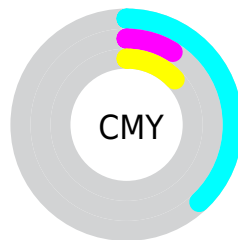
- Red (62%)
- Green (91%)
- Blue (87%)



- Red (62%)
- Yellow (78%)
- Blue (91%)



- Cyan (32%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)




- Cyan (38%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2563, 0.2724, 0.3409 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 70.2563, 0.2724, 0.3409 by changing the saturation by 10% instead.



 70.2563, 0.2724,  
0.3409


 70.2563, 0.2724,  
0.3409


461.4494, 0.2910,  
0.3355

 51.7355, 0.2681,  
0.3421


 119.5742, 0.2789,  
0.3391

 36.7943, 0.2629,  
0.3436


 151.1401, 0.2814,  
0.3383

 25.0483, 0.2562,  
0.3454


187.8231, 0.2835,  
0.3377

 16.1130, 0.2476,  
0.3477

230.0077, 0.2854,  
0.3372

 9.6042, 0.2358,  
0.3508

278.0782, 0.2871,  
0.3367

 5.1373, 0.2189,  
0.3551

332.4191, 0.2886,

 2.3280, 0.1928,

0.3363

393.4147, 0.2899,  
0.3359

0.3612

0.7885, 0.0713,  
0.4025

0.0000, 0.0000,  
0.0000

70.2563, 0.2724,  
0.3409

70.2563, 0.2724,  
0.3409

67.9574, 0.2620,  
0.3452

73.0081, 0.2841,  
0.3368

66.0778, 0.2533,  
0.3498

76.2275, 0.2967,  
0.3331

64.5928, 0.2463,  
0.3545

79.9387, 0.3101,  
0.3296

63.4716, 0.2412,  
0.3593

84.1619, 0.3239,  
0.3265

■ 62.6787, 0.2381,  
0.3641

■ 85.1325, 0.3248,  
0.3235

■ 62.1715, 0.2368,  
0.3688

■ 85.3186, 0.3228,  
0.3204

■ 61.9146, 0.2369,  
0.3727

■ 85.5079, 0.3207,  
0.3173

■ 85.7004, 0.3187,  
0.3143

■ 85.8962, 0.3167,  
0.3113

# Harmonies

## Analogous

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



70.2563, 0.2982, 0.3676



70.2563, 0.2724, 0.3409



70.2563, 0.2575, 0.3120

# Triad

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



70.2563, 0.2724, 0.3409



70.2563, 0.2945, 0.2812



70.2563, 0.3719, 0.3651

# Complementary

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



70.2563, 0.2724, 0.3409



44.4379, 0.3759, 0.3177

# 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.



70.2563, 0.3712, 0.3414



70.2563, 0.2724, 0.3409



70.2563, 0.3254, 0.2945

# Square

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



70.2563, 0.2724, 0.3409



70.2563, 0.2698, 0.2792



70.2563, 0.3539, 0.3160



70.2563, 0.3560, 0.3808

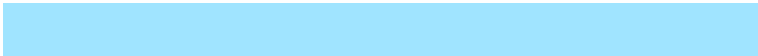


# Rectangle

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



70.2563, 0.2724, 0.3409



70.2563, 0.2553, 0.2961



70.2563, 0.3539, 0.3160



70.2563, 0.3736, 0.3577

# Sweetspot

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



70.2591, 0.2724, 0.3409



95.2599, 0.2992, 0.3324



68.6318, 0.3156, 0.4212



20.2577, 0.2973, 0.3329



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.



70.2591, 0.2724, 0.3409



85.2025, 0.2657, 0.3436



57.2881, 0.2633, 0.2972



16.3010, 0.3000, 0.3322



34.3839, 0.2366, 0.3719



2.5502, 0.2347, 0.3649



# Inverse Universe

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



44.4379, 0.3759, 0.3177



48.6968, 0.3942, 0.3154



53.8654, 0.3766, 0.3586



14.3996, 0.3271, 0.3258



9.5909, 0.6219, 0.3200



0.7189, 0.5882, 0.3014



# Previews

## White Background



This preview shows how the Yxy color 70.2563, 0.2724, 0.3409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

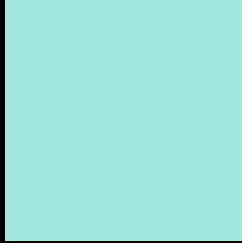
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2563, 0.2724, 0.3409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

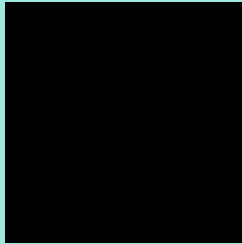
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

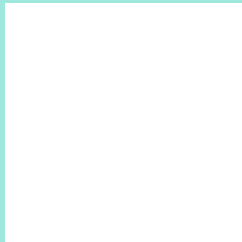
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2563, 0.2724, 0.3409**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2563, 0.2724, 0.3409.

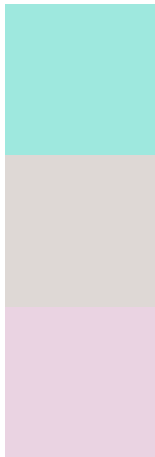


This preview shows how white text looks on a background with the Yxy color 70.2563, 0.2724, 0.3409.

# 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

70.2563, 0.2724, 0.3409

### Protanopia

69.4454, 0.3191, 0.3323

### Deuteranopia

69.5719, 0.3194, 0.3132



## Tritanopia

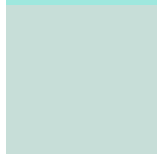
70.0947, 0.2621, 0.3070

# Trichromacy



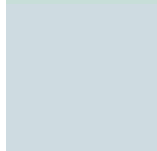
## Original Color

70.2563, 0.2724, 0.3409



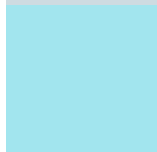
## Protanomaly

69.3425, 0.3006, 0.3358



## Deuteranomaly

69.2211, 0.2997, 0.3223



## Tritanomaly

69.8931, 0.2658, 0.3183

# Monochromacy



## Original Color

70.2563, 0.2724, 0.3409



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.4279, 0.2957, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  70.2563, 0.2724, 0.3409 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(158, 232, 222)` looks like.

```
.text, #text, p{  
    color:rgb(158, 232, 222)  
}
```

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(158, 232, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 232, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2563, 0.2724, 0.3409 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(158, 232, 222) }
```

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

```
.border{ border-color:rgb(158, 232, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 232, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 232, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 232, 222); box-shadow:4px 4px 4px 4px rgb(158, 232, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2563, 0.2724, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 232, 222) }
```

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

```
.background{ background-color: rgb(158,  
232, 222) }
```

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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