

# Converting Colors

$Yxy(74.9528, 0.2707, 0.3440)$

Have a look what the booklet for  
Yxy(74.9528, 0.2707, 0.3440)  
contains.

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# Color

**Yxy(75.1353, 0.2708, 0.3442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EF0E3
RGB	158, 240, 227
RGB Percent	62%, 94%, 89%
CMY	0.3807, 0.0588, 0.1099
CMYK	0.34, 0.00, 0.05, 0.06
HSL	170°, 73%, 78%
HSV	170°, 34%, 94%
XYZ	59.1128, 75.1353, 84.0415
YIQ	214.0000, -44.6990, -21.4270

# Conversions

## Conversions Part 2

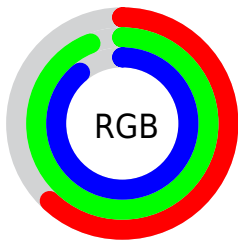
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 203, 240
Decimal	10416355
CIE Lab	89.46, -27.76, -1.64
CIE LCh	89, 27.808, 183.378
Yxy	75.1353, 0.2708, 0.3442
Android (android.graphics.Color)	4288606435 (0xFF9EF0E3)
YUV	214.0000, 6.4090, -49.1120
Hunter-Lab	86.6806, -29.9610, 3.1916

# Details

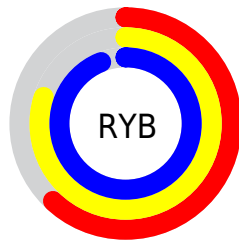
The Yxy color **75.1353, 0.2708, 0.3442** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.8991, 0.3806, 0.3147**, and the grayscale version is **67.2150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **40.1431, 0.2613, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **72.7304, 0.2610, 0.3494**, and if you desaturate by 10%, it is **78.0261, 0.2820, 0.3393**.

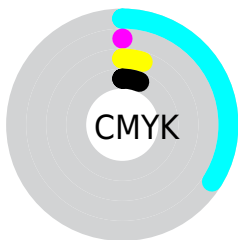
# Distribution



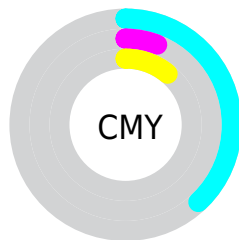
- Red (62%)
- Green (94%)
- Blue (89%)



- Red (62%)
- Yellow (80%)
- Blue (94%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)




- Cyan (38%)
- Magenta (6%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1353, 0.2708, 0.3442 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 75.1353, 0.2708, 0.3442 by changing the saturation by 10% instead.





 75.1353, 0.2708,  
0.3442

 75.1353, 0.2708,  
0.3442


478.3825, 0.2900,  
0.3373

 55.7237, 0.2665,  
0.3457


 126.5039, 0.2774,  
0.3419

 39.9815, 0.2612,  
0.3476

 159.2297, 0.2800,  
0.3409

 27.5241, 0.2545,  
0.3499


197.1623, 0.2822,  
0.3401

 17.9672, 0.2458,  
0.3529

240.6863, 0.2842,  
0.3394

 10.9265, 0.2342,  
0.3569

290.1858, 0.2859,  
0.3388

 6.0174, 0.2178,  
0.3624

346.0455, 0.2874,

 2.8557, 0.1930,

0.3383

408.6496, 0.2888,  
0.3378

0.3704

1.0569, 0.1194,  
0.3975

0.0000, 0.0000,  
0.0000

75.1353, 0.2708,  
0.3442

75.1353, 0.2708,  
0.3442

72.7304, 0.2610,  
0.3494

78.0261, 0.2820,  
0.3393

70.7746, 0.2528,  
0.3548

81.4193, 0.2942,  
0.3348

69.2401, 0.2464,  
0.3605

85.3418, 0.3071,  
0.3306

68.0924, 0.2420,  
0.3662

89.8157, 0.3205,  
0.3269

■ 67.2913, 0.2395,  
0.3719

■ 90.2477, 0.3189,  
0.3232

■ 66.7881, 0.2389,  
0.3776

■ 90.4844, 0.3165,  
0.3195

■ 66.5898, 0.2391,  
0.3808

■ 90.7259, 0.3142,  
0.3159

■ 90.8112, 0.3134,  
0.3146

# Harmonies

## Analogous

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



75.1353, 0.2993, 0.3727



75.1353, 0.2708, 0.3442



75.1353, 0.2538, 0.3125

# Triad

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



75.1353, 0.2708, 0.3442



75.1353, 0.2907, 0.2769



75.1353, 0.3774, 0.3661

# Complementary

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



75.1353, 0.2708, 0.3442



45.8991, 0.3806, 0.3147

# 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.



75.1353, 0.3754, 0.3401



75.1353, 0.2708, 0.3442



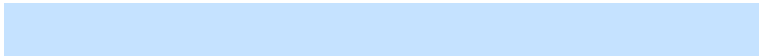
75.1353, 0.3238, 0.2904

# Square

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



75.1353, 0.2708, 0.3442



75.1353, 0.2648, 0.2756



75.1353, 0.3554, 0.3130



75.1353, 0.3613, 0.3842

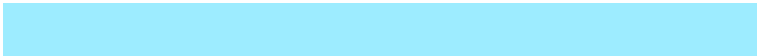


# Rectangle

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



75.1353, 0.2708, 0.3442



75.1353, 0.2507, 0.2949



75.1353, 0.3554, 0.3130



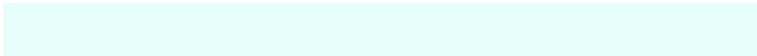
75.1353, 0.3789, 0.3580

# Sweetspot

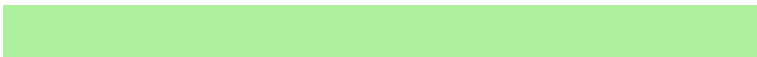
The Sweet Spot groups the original color and five complimentary colors.



75.1383, 0.2708, 0.3442



95.2222, 0.2995, 0.3330



73.5247, 0.3165, 0.4289



20.2485, 0.2977, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

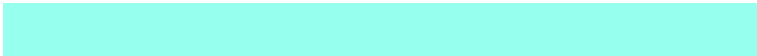


# Same Dimension

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



75.1383, 0.2708, 0.3442



84.2427, 0.2638, 0.3478



60.9710, 0.2600, 0.2961



17.8833, 0.3002, 0.3328



36.4624, 0.2389, 0.3799



3.0448, 0.2368, 0.3724



# Inverse Universe

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



45.8991, 0.3806, 0.3147



46.0089, 0.4012, 0.3118



55.8166, 0.3833, 0.3594



15.7998, 0.3268, 0.3253



10.2306, 0.6174, 0.3175

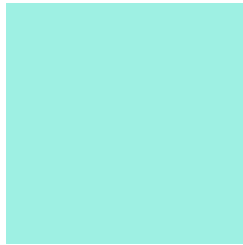


0.8632, 0.5847, 0.2995



# Previews

## White Background



This preview shows how the Yxy color 75.1353, 0.2708, 0.3442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

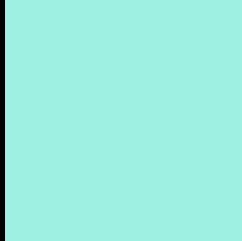
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.1353, 0.2708, 0.3442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

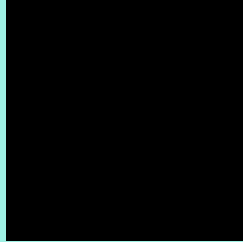
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.1353, 0.2708, 0.3442**

## Background



This preview shows how black text looks on a background with the Yxy color 75.1353, 0.2708, 0.3442.

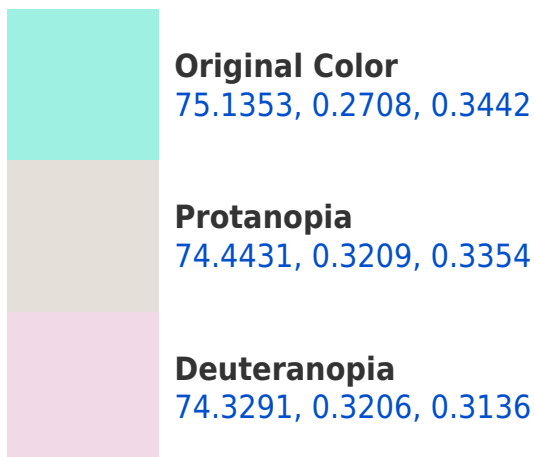


This preview shows how white text looks on a background with the Yxy color 75.1353, 0.2708, 0.3442.

# 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

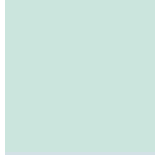
75.2102, 0.2599, 0.3075

# Trichromacy



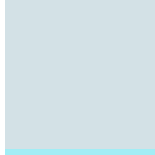
## Original Color

75.1353, 0.2708, 0.3442



## Protanomaly

73.9556, 0.3002, 0.3379



## Deuteranomaly

73.4125, 0.3000, 0.3235



## Tritanomaly

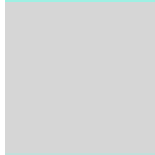
74.8423, 0.2634, 0.3197

# Monochromacy



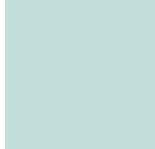
## Original Color

75.1353, 0.2708, 0.3442



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.3592, 0.2954, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  75.1353, 0.2708, 0.3442 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, 240, 227)` looks like.

```
.text, #text, p{  
    color:rgb(158, 240, 227)  
}
```

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, 240, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 240, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1353, 0.2708, 0.3442 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, 240, 227) }
```

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

```
.border{ border-color:rgb(158, 240, 227) }
```

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

Here you see how a box with a 4 pixel rgb(158, 240, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 240, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 240, 227);  
box-shadow:4px 4px 4px 4px rgb(158, 240,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1353, 0.2708, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 240, 227) }
```

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

```
.background{ background-color: rgb(158,  
240, 227) }
```

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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