

# Converting Colors

$Y_{xy}(69.7777, 0.2265, 0.3352)$

Have a look what the booklet for  
Yxy(69.7777, 0.2265, 0.3352)  
contains.

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# Color

**Yxy(69.6251, 0.2265, 0.3351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02F2ED
RGB	2, 242, 237
RGB Percent	1%, 95%, 93%
CMY	0.9921, 0.0510, 0.0705
CMYK	0.99, 0.00, 0.02, 0.05
HSL	179°, 98%, 48%
HSV	179°, 99%, 95%
XYZ	47.0608, 69.6251, 91.0882
YIQ	169.6700, -141.4350, -52.4350

# Conversions

## Conversions Part 2

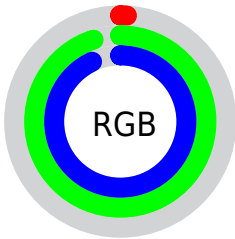
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	2, 123, 242
Decimal	193261
CIE Lab	86.81, -47.60, -11.19
CIE LCh	87, 48.897, 193.226
Yxy	69.6251, 0.2265, 0.3351
Android (android.graphics.Color)	4278383341 (0xFF02F2ED)
YUV	169.6700, 33.1937, -147.0466
Hunter-Lab	83.4417, -45.3495, -6.3141

# Details

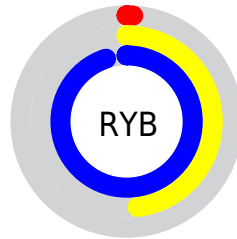
The Yxy color **69.6251, 0.2265, 0.3351** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.9348, 0.6375, 0.3291**, and the grayscale version is **39.9102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **38.0341, 0.2265, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **69.6123, 0.2264, 0.3352**, and if you desaturate by 10%, it is **69.8665, 0.2276, 0.3344**.

# Distribution



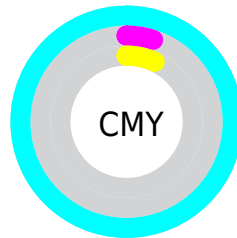
- Red (1%)
- Green (95%)
- Blue (93%)



- Red (1%)
- Yellow (48%)
- Blue (95%)



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)




- Cyan (99%)
- Magenta (5%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6251, 0.2265, 0.3351 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 69.6251, 0.2265, 0.3351 by changing the saturation by 10% instead.




 69.6251, 0.2265,  
0.3351

 69.6251, 0.2265,  
0.3351


459.2326, 0.2655,  
0.3335

 51.2210, 0.2179,  
0.3352

 118.6740, 0.2398,  
0.3348

 36.3845, 0.2073,  
0.3351


 150.0875, 0.2451,  
0.3346

 24.7313, 0.1943,  
0.3348


 186.6062, 0.2496,  
0.3344

 15.8770, 0.1777,  
0.3340

 228.6146, 0.2536,  
0.3342

 9.4371, 0.1561,  
0.3320

 276.4971, 0.2571,  
0.3340

 5.0274, 0.1273,  
0.3278


330.6380, 0.2602,

 2.2633, 0.0854,


0.3338


0.3186


391.4216, 0.2630,  
0.3336

 0.7542, 0.0000,  
0.3006


 0.0000, 0.0000,  
0.0000


 69.6251, 0.2265,  
0.3351

 69.6251, 0.2265,  
0.3351

 69.6123, 0.2264,  
0.3352

 69.8665, 0.2276,  
0.3344

 70.3622, 0.2302,  
0.3338

 71.1833, 0.2346,  
0.3331

 72.3747, 0.2409,  
0.3324

■ 73.9741, 0.2493,  
0.3318

■ 76.0145, 0.2594,  
0.3311

■ 78.5258, 0.2712,  
0.3305

■ 81.5351, 0.2845,  
0.3300

■ 85.0674, 0.2988,  
0.3294

# Harmonies

## Analogous

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



69.6251, 0.2689, 0.3954



69.6251, 0.2265, 0.3351



69.6251, 0.2071, 0.2802

# Triad

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



69.6251, 0.2265, 0.3351



69.6251, 0.2907, 0.2458



69.6251, 0.4214, 0.4035

# Complementary

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



69.6251, 0.2265, 0.3351



18.9348, 0.6375, 0.3291

# 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.



69.6251, 0.4312, 0.3598



69.6251, 0.2265, 0.3351



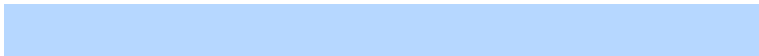
69.6251, 0.3515, 0.2736

# Square

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



69.6251, 0.2265, 0.3351



69.6251, 0.2412, 0.2355



69.6251, 0.4051, 0.3139



69.6251, 0.3817, 0.4336

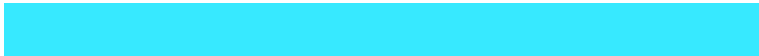


# Rectangle

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



69.6251, 0.2265, 0.3351



69.6251, 0.2079, 0.2549



69.6251, 0.4051, 0.3139



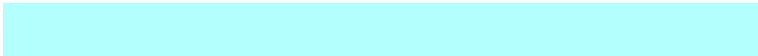
69.6251, 0.4285, 0.3898

# Sweetspot

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



69.6277, 0.2265, 0.3351



88.1624, 0.2701, 0.3306



63.5685, 0.3005, 0.5991



18.6047, 0.2650, 0.3308



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.



69.6277, 0.2265, 0.3351



78.4039, 0.2264, 0.3352



22.3889, 0.1801, 0.1677



17.9230, 0.2984, 0.3295



37.4018, 0.2264, 0.3350



3.1133, 0.2262, 0.3342



# Inverse Universe

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



18.9348, 0.6375, 0.3291



21.2716, 0.6386, 0.3292



30.9155, 0.5514, 0.3998



15.7642, 0.3290, 0.3286



10.1494, 0.6379, 0.3288

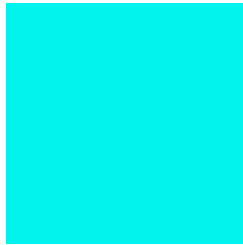


0.8462, 0.6321, 0.3256



# Previews

## White Background



This preview shows how the Yxy color 69.6251, 0.2265, 0.3351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

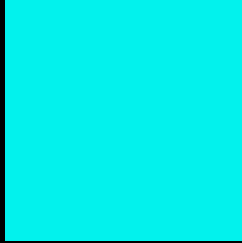
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6251, 0.2265, 0.3351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

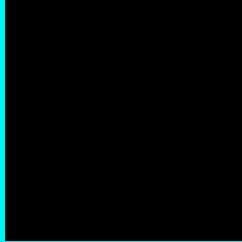
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6251, 0.2265, 0.3351**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6251, 0.2265, 0.3351.

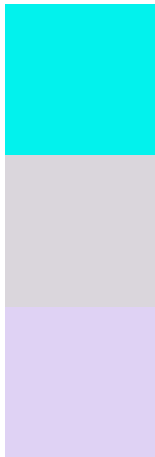


This preview shows how white text looks on a background with the Yxy color 69.6251, 0.2265, 0.3351.

# 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

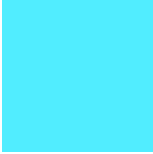
69.6316, 0.2265, 0.3351

### Protanopia

68.1659, 0.3116, 0.3224

### Deuteranopia

68.3128, 0.2993, 0.2929



## **Tritanopia**

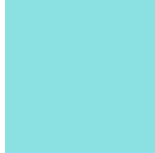
69.5377, 0.2283, 0.3069

# Trichromacy



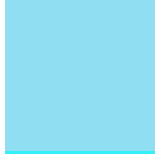
## Original Color

69.6316, 0.2265, 0.3351



## Protanomaly

64.2913, 0.2590, 0.3264



## Deuteranomaly

64.4331, 0.2532, 0.3059



## Tritanomaly

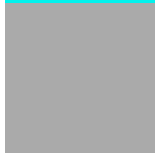
69.2404, 0.2258, 0.3176

# Monochromacy



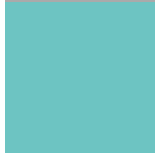
## Original Color

69.6316, 0.2265, 0.3351



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

46.6261, 0.2546, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6251, 0.2265, 0.3351 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(2, 242, 237)` looks like.

```
.text, #text, p{  
    color:rgb(2, 242, 237)  
}
```

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(2, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 242, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6251, 0.2265, 0.3351 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(2, 242, 237) }
```

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

```
.border{ border-color:rgb(2, 242, 237) }
```

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

Here you see how a box with a 4 pixel rgb(2, 242, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(2, 242,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6251, 0.2265, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 242, 237) }
```

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

```
.background{ background-color: rgb(2, 242,  
237) }
```

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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