

# Converting Colors

$Y_{xy}(71.3623, 0.2516, 0.4007)$

Have a look what the booklet for  
Yxy(71.3623, 0.2516, 0.4007)  
contains.

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# Color

**Yxy(71.3639, 0.2517, 0.4008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DF7C1
RGB	61, 247, 193
RGB Percent	24%, 97%, 76%
CMY	0.7604, 0.0314, 0.2431
CMYK	0.75, 0.00, 0.22, 0.03
HSL	163°, 92%, 60%
HSV	163°, 75%, 97%
XYZ	44.8161, 71.3639, 61.8736
YIQ	185.2300, -93.5220, -56.2260

# Conversions

## Conversions Part 2

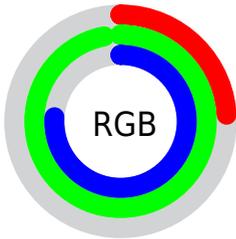
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 170, 247
Decimal	4061121
CIELab	87.66, -57.65, 13.07
CIELCh	88, 59.113, 167.227
Yxy	71.3639, 0.2517, 0.4008
Android (android.graphics.Color)	4282251201 (0xFF3DF7C1)
YUV	185.2300, 3.8306, -108.9497
Hunter-Lab	84.4772, -53.1387, 15.7082

# Details

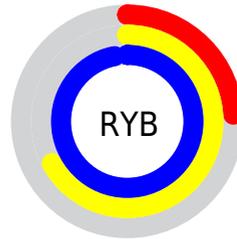
The Yxy color **71.3639, 0.2517, 0.4008** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.3607, 0.5006, 0.2827**, and the grayscale version is **48.6841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5104, 0.2526, 0.3357**, and **38.2593, 0.2492, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **70.4414, 0.2506, 0.4119**, and if you desaturate by 10%, it is **72.6682, 0.2549, 0.3897**.

# Distribution



- Red (24%)
- Green (97%)
- Blue (76%)



- Red (24%)
- Yellow (67%)
- Blue (97%)



- Cyan (75%)
- Magenta (0%)
- Yellow (22%)
- Black (3%)



- Cyan (76%)
- Magenta (3%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3639, 0.2517, 0.4008 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 71.3639, 0.2517, 0.4008 by changing the saturation by 10% instead.

 71.3639, 0.2517,  
0.4008

 71.3639, 0.2517,  
0.4008

465.3245, 0.2806,  
0.3659

 52.6392, 0.2450,  
0.4092

 121.1517, 0.2618,  
0.3884

 37.5148, 0.2366,  
0.4197

 152.9837, 0.2658,  
0.3836

 25.6064, 0.2258,  
0.4334

 189.9535, 0.2691,  
0.3796

 16.5294, 0.2117,  
0.4519

 232.4456, 0.2720,  
0.3761

 9.8995, 0.1923,  
0.4781

280.8443, 0.2746,  
0.3731

 5.3324, 0.1642,  
0.5177

335.5341, 0.2768,

 2.4436, 0.1092,

0.3704

396.8994, 0.2788,  
0.3680

0.5913

0.8482, 0.0000,  
0.9885

0.0000, 0.0000,  
0.0000

71.3639, 0.2517,  
0.4008

71.3639, 0.2517,  
0.4008

70.4414, 0.2506,  
0.4119

72.6682, 0.2549,  
0.3897

69.8381, 0.2514,  
0.4230

74.3900, 0.2600,  
0.3788

69.6267, 0.2523,  
0.4281

76.5698, 0.2669,  
0.3683

79.2412, 0.2753,  
0.3584

 82.4345, 0.2850,  
0.3491

 86.1775, 0.2955,  
0.3406

 90.4960, 0.3067,  
0.3328

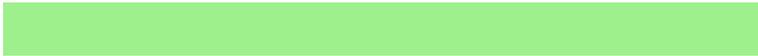
 94.7075, 0.3158,  
0.3258

 95.0006, 0.3131,  
0.3214

# Harmonies

## Analogous

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



71.3639, 0.3170, 0.4531



71.3639, 0.2517, 0.4008



71.3639, 0.2061, 0.3252

# Triad

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



71.3639, 0.2517, 0.4008



71.3639, 0.2345, 0.2199



71.3639, 0.4552, 0.3699

# Complementary

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



71.3639, 0.2517, 0.4008



24.3607, 0.5006, 0.2827

# 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.



71.3639, 0.4302, 0.3167



71.3639, 0.2517, 0.4008



71.3639, 0.2950, 0.2350

# Square

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



71.3639, 0.2517, 0.4008



71.3639, 0.1981, 0.2279



71.3639, 0.3684, 0.2693



71.3639, 0.4364, 0.4211

# Rectangle

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



71.3639, 0.2517, 0.4008



71.3639, 0.1910, 0.2807



71.3639, 0.3684, 0.2693



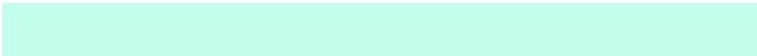
71.3639, 0.4518, 0.3520

# Sweetspot

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



71.3667, 0.2517, 0.4008



89.4740, 0.2873, 0.3471



70.6311, 0.3238, 0.5521



18.8608, 0.2836, 0.3503



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.



71.3667, 0.2517, 0.4008



75.3795, 0.2508, 0.4174



53.7133, 0.2177, 0.2803



18.6710, 0.3019, 0.3360



36.8497, 0.2518, 0.4263



3.2565, 0.2479, 0.4125



# Inverse Universe

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



24.3607, 0.5006, 0.2827



22.7520, 0.5543, 0.2897



28.8984, 0.5436, 0.3603



16.5617, 0.3248, 0.3222



10.7247, 0.5798, 0.2968

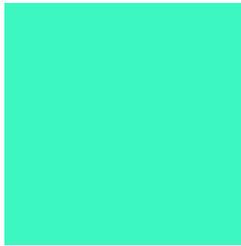


0.9597, 0.5444, 0.2772



# Previews

## White Background



This preview shows how the Yxy color 71.3639, 0.2517, 0.4008 looks on a white background.

## Color Contrast Check

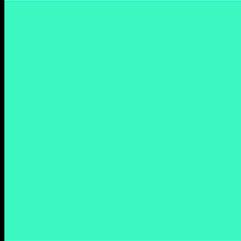
Large Text (above 18pt) WCAG AA × Fail

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 71.3639, 0.2517, 0.4008 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

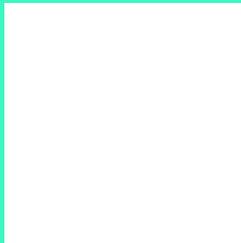
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.3639, 0.2517, 0.4008**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.3639, 0.2517, 0.4008.



This preview shows how white text looks on a background with the Yxy color 71.3639, 0.2517, 0.4008.

# 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

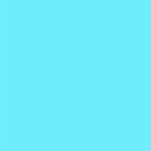
71.3639, 0.2517, 0.4008

### Protanopia

69.6631, 0.3497, 0.3720

### Deuteranopia

69.7227, 0.3460, 0.3386



## Tritanopia

71.1034, 0.2368, 0.3074

# Trichromacy



## Original Color

71.3639, 0.2517, 0.4008



## Protanomaly

67.3407, 0.3008, 0.3848



## Deuteranomaly

66.3175, 0.2976, 0.3593



## Tritanomaly

71.0121, 0.2415, 0.3400

# Monochromacy



## Original Color

71.3639, 0.2517, 0.4008



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

54.3180, 0.2782, 0.3560

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3639, 0.2517, 0.4008 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(61, 247, 193)` looks like.

```
.text, #text, p{  
    color:rgb(61, 247, 193)  
}
```

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(61, 247, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 247, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3639, 0.2517, 0.4008 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(61, 247, 193) }
```

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

```
.border{ border-color:rgb(61, 247, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 247, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 247, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 247, 193);  
box-shadow:4px 4px 4px 4px rgb(61, 247,  
193) }
```

# Background

The CSS property to change the background color of an element to Yxy 71.3639, 0.2517, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 247, 193) }
```

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

```
.background{ background-color: rgb(61, 247,  
193) }
```

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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