

# Converting Colors

$Yxy(72.9591, 0.2477, 0.3512)$

Have a look what the booklet for  
Yxy(72.9591, 0.2477, 0.3512)  
contains.

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# Color

**Yxy(72.9591, 0.2477, 0.3512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65F4E2
RGB	101, 244, 226
RGB Percent	40%, 96%, 89%
CMY	0.6033, 0.0432, 0.1137
CMYK	0.59, 0.00, 0.07, 0.04
HSL	172°, 87%, 68%
HSV	172°, 59%, 96%
XYZ	51.4578, 72.9591, 83.3254
YIQ	199.1910, -79.4500, -35.9140

# Conversions

## Conversions Part 2

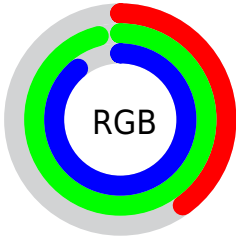
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 177, 244
Decimal	6681826
CIE <sub>Lab</sub>	88.43, -42.61, -2.89
CIE <sub>LCh</sub>	88, 42.707, 183.879
Yxy	72.9591, 0.2477, 0.3512
Android (android.graphics.Color)	4284871906 (0xFF65F4E2)
YUV	199.1910, 13.2168, -86.1135
Hunter-Lab	85.4161, -41.9433, 1.9525

# Details

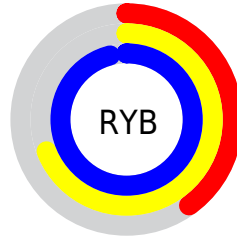
The Yxy color **72.9591, 0.2477, 0.3512** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **29.9035, 0.4715, 0.3112**, and the grayscale version is **57.2158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **38.5325, 0.2327, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **71.5868, 0.2419, 0.3556**, and if you desaturate by 10%, it is **74.7582, 0.2554, 0.3469**.

# Distribution



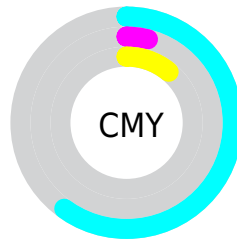
- Red (40%)
- Green (96%)
- Blue (89%)



- Red (40%)
- Yellow (69%)
- Blue (96%)



- Cyan (59%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




- Cyan (60%)
- Magenta (4%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9591, 0.2477, 0.3512 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 72.9591, 0.2477, 0.3512 by changing the saturation by 10% instead.




 72.9591, 0.2477,  
0.3512


 72.9591, 0.2477,  
0.3512

470.8730, 0.2774,  
0.3413


 53.9425, 0.2410,  
0.3534


 123.4191, 0.2579,  
0.3478

 38.5557, 0.2329,  
0.3560


 155.6314, 0.2619,  
0.3465

 26.4143, 0.2227,  
0.3592


 193.0110, 0.2654,  
0.3454

 17.1338, 0.2095,  
0.3633

235.9423, 0.2684,  
0.3443

 10.3299, 0.1920,  
0.3685

284.8098, 0.2710,  
0.3435

 5.6183, 0.1677,  
0.3755

339.9978, 0.2734,

 2.6144, 0.1324,

0.3427

0.3846

401.8908, 0.2755,  
0.3419

■ 0.9339, 0.0000,  
0.4294

■ 0.0000, 0.0000,  
0.0000

■ 72.9591, 0.2477,  
0.3512

■ 72.9591, 0.2477,  
0.3512

■ 71.5868, 0.2419,  
0.3556

■ 74.7582, 0.2554,  
0.3469

■ 70.5946, 0.2381,  
0.3601


■ 77.0091, 0.2648,  
0.3427

■ 69.9402, 0.2362,  
0.3645


■ 79.7449, 0.2757,  
0.3388


■ 69.5587, 0.2360,  
0.3689

■ 82.9931, 0.2879,  
0.3351

 69.5129, 0.2360,  
0.3695

 86.7792, 0.3010,  
0.3317

 91.1270, 0.3147,  
0.3286

 92.7019, 0.3177,  
0.3256

 92.8937, 0.3159,  
0.3227

 93.0885, 0.3140,  
0.3197

# Harmonies

## Analogous

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



72.9591, 0.2899, 0.3984



72.9591, 0.2477, 0.3512



72.9591, 0.2236, 0.3009

# Triad

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



72.9591, 0.2477, 0.3512



72.9591, 0.2790, 0.2515



72.9591, 0.4125, 0.3838

# Complementary

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



72.9591, 0.2477, 0.3512



29.9035, 0.4715, 0.3112

# 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.



72.9591, 0.4108, 0.3443



72.9591, 0.2477, 0.3512



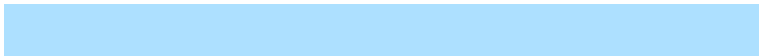
72.9591, 0.3299, 0.2716

# Square

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



72.9591, 0.2477, 0.3512



72.9591, 0.2405, 0.2483



72.9591, 0.3796, 0.3045



72.9591, 0.3858, 0.4138



# Rectangle

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



72.9591, 0.2477, 0.3512



72.9591, 0.2196, 0.2746



72.9591, 0.3796, 0.3045



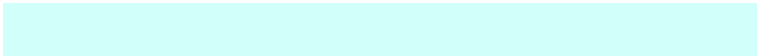
72.9591, 0.4153, 0.3712

# Sweetspot

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



72.9619, 0.2477, 0.3512



91.9433, 0.2885, 0.3349



69.6449, 0.3131, 0.5133



19.4407, 0.2849, 0.3360



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.



72.9619, 0.2477, 0.3512



78.9333, 0.2412, 0.3563



46.8375, 0.2251, 0.2605



18.7198, 0.2997, 0.3320



37.8152, 0.2358, 0.3688



3.3334, 0.2343, 0.3633



# Inverse Universe

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



29.9035, 0.4715, 0.3112



27.3984, 0.5230, 0.3108



43.1290, 0.4556, 0.3842



16.5165, 0.3274, 0.3260



10.5215, 0.6242, 0.3212

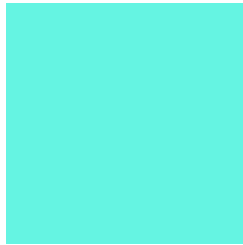


0.9353, 0.5968, 0.3061



# Previews

## White Background



This preview shows how the Yxy color 72.9591, 0.2477, 0.3512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

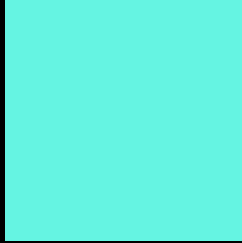
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9591, 0.2477, 0.3512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

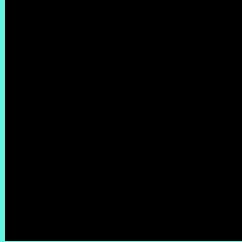
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.9591, 0.2477, 0.3512**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9591, 0.2477, 0.3512.

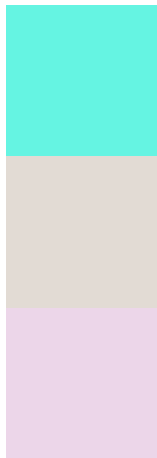


This preview shows how white text looks on a background with the Yxy color 72.9591, 0.2477, 0.3512.

# 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

72.9591, 0.2477, 0.3512

### Protanopia

71.5853, 0.3225, 0.3366

### Deuteranopia

71.8092, 0.3158, 0.3092



## Tritanopia

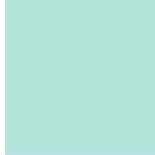
72.5342, 0.2442, 0.3078

# Trichromacy



## Original Color

72.9591, 0.2477, 0.3512



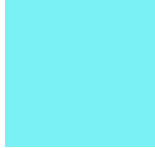
## Protanomaly

70.3203, 0.2883, 0.3418



## Deuteranomaly

70.1284, 0.2844, 0.3232



## Tritanomaly

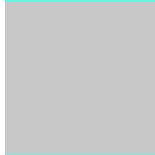
72.8449, 0.2457, 0.3240

# Monochromacy



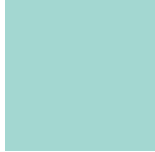
## Original Color

72.9591, 0.2477, 0.3512



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

60.9909, 0.2808, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9591, 0.2477, 0.3512 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(101, 244, 226)` looks like.

```
.text, #text, p{  
    color:rgb(101, 244, 226)  
}
```

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(101, 244, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 244, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9591, 0.2477, 0.3512 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(101, 244, 226) }
```

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

```
.border{ border-color:rgb(101, 244, 226) }
```

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

Here you see how a box with a 4 pixel rgb(101, 244, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 244, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 244, 226);  
box-shadow:4px 4px 4px 4px rgb(101, 244,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9591, 0.2477, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 244, 226) }
```

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

```
.background{ background-color: rgb(101,  
244, 226) }
```

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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