

# Converting Colors

$Y_{xy}(55.3956, 0.2218, 0.3037)$

Have a look what the booklet for  
Yxy(55.3956, 0.2218, 0.3037)  
contains.

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# Color

**Yxy(55.1457, 0.2218, 0.3033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2FD7EA
RGB	47, 215, 234
RGB Percent	18%, 84%, 92%
CMY	0.8150, 0.1569, 0.0824
CMYK	0.80, 0.08, 0.00, 0.08
HSL	186°, 82%, 55%
HSV	186°, 80%, 92%
XYZ	40.3275, 55.1457, 86.3458
YIQ	166.9340, -106.2270, -29.7070

# Conversions

## Conversions Part 2

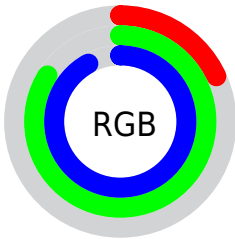
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	47, 135, 234
Decimal	3135466
CIE Lab	79.13, -34.31, -21.11
CIE LCh	79, 40.284, 211.608
Yxy	55.1457, 0.2218, 0.3033
Android (android.graphics.Color)	4281325546 (0xFF2FD7EA)
YUV	166.9340, 33.0635, -105.1821
Hunter-Lab	74.2602, -33.0197, -16.9572

# Details

The Yxy color **55.1457, 0.2218, 0.3033** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **21.6121, 0.5780, 0.3432**, and the grayscale version is **38.5106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **28.3560, 0.2158, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **53.5283, 0.2180, 0.2998**, and if you desaturate by 10%, it is **57.0827, 0.2275, 0.3069**.

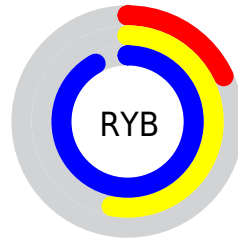
# Distribution



Red (18%)

Green (84%)

Blue (92%)



Red (18%)

Yellow (53%)

Blue (92%)

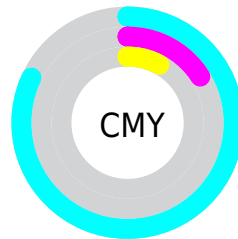


Cyan (80%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (82%)

Magenta (16%)


Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1457, 0.2218, 0.3033 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 55.1457, 0.2218, 0.3033 by changing the saturation by 10% instead.




 55.1457, 0.2218,  
0.3033

 55.1457, 0.2218,  
0.3033


406.4640, 0.2643,  
0.3172

 39.5184, 0.2121,  
0.2996


 97.7544, 0.2365,  
0.3085


 27.1632, 0.2002,  
0.2948


 125.5046, 0.2423,  
0.3104

 17.6959, 0.1853,  
0.2883


 158.0645, 0.2472,  
0.3120

 10.7319, 0.1662,  
0.2791

 195.8185, 0.2515,  
0.3134

 5.8868, 0.1409,  
0.2654

239.1511, 0.2553,  
0.3146

 2.7764, 0.1070,  
0.2433

288.4466, 0.2586,

 1.0161, 0.0257,

0.3156

0.2126

344.0894, 0.2616,  
0.3164

■ 0.0000, 0.0000,  
0.0000

■ 55.1457, 0.2218,  
0.3033

■ 55.1457, 0.2218,  
0.3033

■ 53.5283, 0.2180,  
0.2998

■ 57.0827, 0.2275,  
0.3069

■ 52.1545, 0.2157,  
0.2963


■ 59.3751, 0.2352,  
0.3104


■ 52.1325, 0.2156,  
0.2963


■ 62.0599, 0.2448,  
0.3139


■ 65.1680, 0.2560,  
0.3173

■ 68.7270, 0.2688,  
0.3205

 72.7621, 0.2827,  
0.3236

 77.2965, 0.2976,  
0.3264

 82.3520, 0.3130,  
0.3290

 87.4204, 0.3268,  
0.3314

# Harmonies

## Analogous

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



55.1457, 0.2482, 0.3561



55.1457, 0.2218, 0.3033



55.1457, 0.2177, 0.2644

# Triad

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



55.1457, 0.2218, 0.3033



55.1457, 0.3263, 0.2677



55.1457, 0.3911, 0.4149

# Complementary

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



55.1457, 0.2218, 0.3033



21.6121, 0.5780, 0.3432

# 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.



55.1457, 0.4169, 0.3825



55.1457, 0.2218, 0.3033



55.1457, 0.3786, 0.3007

# Square

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



55.1457, 0.2218, 0.3033



55.1457, 0.2742, 0.2481



55.1457, 0.4129, 0.3413



55.1457, 0.3452, 0.4256

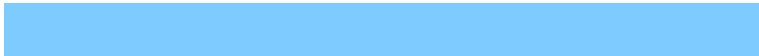


# Rectangle

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



55.1457, 0.2218, 0.3033



55.1457, 0.2275, 0.2499



55.1457, 0.4129, 0.3413



55.1457, 0.4025, 0.4058

# Sweetspot

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



55.1477, 0.2218, 0.3033



86.2785, 0.2766, 0.3223



59.8357, 0.2967, 0.5622



18.0962, 0.2717, 0.3212



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

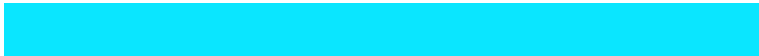


# Same Dimension

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



55.1477, 0.2218, 0.3033



63.9468, 0.2164, 0.2975



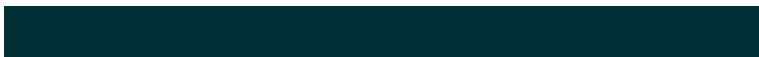
20.4433, 0.1853, 0.1649



16.8450, 0.2981, 0.3265



29.4085, 0.2158, 0.2968



2.3849, 0.2171, 0.3016



# Inverse Universe

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



24.4432, 0.3417, 0.1769



27.2014, 0.3476, 0.1699



42.5827, 0.4788, 0.4348



15.2858, 0.3153, 0.3081



12.4616, 0.3482, 0.1692

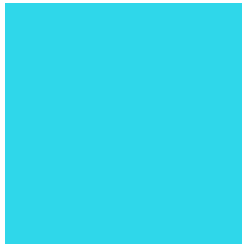


0.9862, 0.3440, 0.1669



# Previews

## White Background



This preview shows how the Yxy color 55.1457, 0.2218, 0.3033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

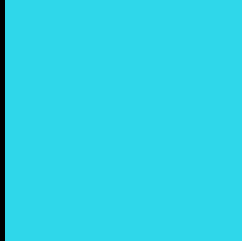
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.1457, 0.2218, 0.3033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

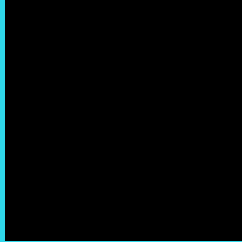
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1457, 0.2218, 0.3033**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1457, 0.2218, 0.3033.

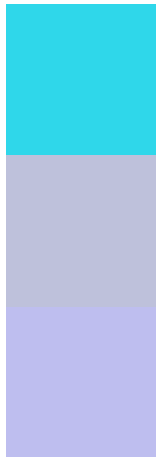


This preview shows how white text looks on a background with the Yxy color 55.1457, 0.2218, 0.3033.

# 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

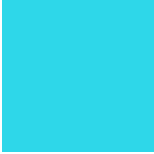
55.1457, 0.2218, 0.3033

### Protanopia

54.2016, 0.2918, 0.2979

### Deuteranopia

54.0061, 0.2784, 0.2722



## **Tritanopia**

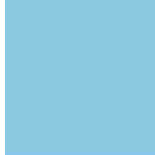
55.0649, 0.2220, 0.3046

# Trichromacy



## Original Color

55.1457, 0.2218, 0.3033



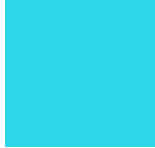
## Protanomaly

52.5584, 0.2551, 0.2992



## Deuteranomaly

52.3645, 0.2479, 0.2810



## Tritanomaly

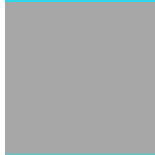
55.0649, 0.2220, 0.3046

# Monochromacy



## Original Color

55.1457, 0.2218, 0.3033



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

42.2535, 0.2618, 0.3187

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1457, 0.2218, 0.3033 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(47, 215, 234)` looks like.

```
.text, #text, p{  
    color:rgb(47, 215, 234)  
}
```

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(47, 215, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 215, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1457, 0.2218, 0.3033 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(47, 215, 234) }
```

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

```
.border{ border-color:rgb(47, 215, 234) }
```

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

Here you see how a box with a 4 pixel rgb(47, 215, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 215, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 215, 234);  
box-shadow:4px 4px 4px 4px rgb(47, 215,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1457, 0.2218, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 215, 234) }
```

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

```
.background{ background-color: rgb(47, 215,  
234) }
```

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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