

# Converting Colors

$Yxy(37.2514, 0.2170, 0.2540)$

Have a look what the booklet for  
Yxy(37.2514, 0.2170, 0.2540)  
contains.

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# Color

**Yxy(37.2996, 0.2172, 0.2544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CAEE2
RGB	76, 174, 226
RGB Percent	30%, 68%, 89%
CMY	0.7018, 0.3176, 0.1137
CMYK	0.66, 0.23, 0.00, 0.11
HSL	201°, 72%, 59%
HSV	201°, 66%, 89%
XYZ	31.8454, 37.2996, 77.4729
YIQ	150.6260, -75.1000, -4.6040

# Conversions

## Conversions Part 2

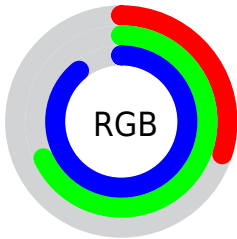
Format	Color
<a href="#">RYB</a>	<a href="#">76, 135, 226</a>
Decimal	<a href="#">5025506</a>
CIELab	<a href="#">67.50, -12.64, -34.58</a>
CIELCh	<a href="#">68, 36.822, 249.916</a>
Yxy	<a href="#">37.2996, 0.2172, 0.2544</a>
Android (android.graphics.Color)	<a href="#">4283215586 (0xFF4CAEE2)</a>
YUV	<a href="#">150.6260, 37.1594, -65.4470</a>
Hunter-Lab	<a href="#">61.0734, -13.8035, -32.4593</a>

# Details

The Yxy color **37.2996, 0.2172, 0.2544** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **32.1383, 0.4840, 0.3851**, and the grayscale version is **30.6460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7476, 0.2462, 0.2984**, and **16.8213, 0.1986, 0.2351** is the 20% darker color. If you saturate the color by 10%, you get **33.5916, 0.2072, 0.2410**, and if you desaturate by 10%, it is **41.5120, 0.2290, 0.2676**.

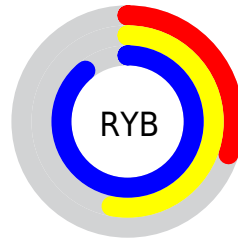
# Distribution



Red (30%)

Green (68%)

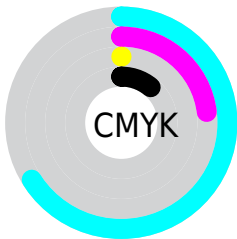
Blue (89%)



Red (30%)

Yellow (53%)

Blue (89%)

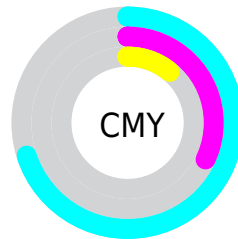


Cyan (66%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (70%)

Magenta (32%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2996, 0.2172, 0.2544 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 37.2996, 0.2172, 0.2544 by changing the saturation by 10% instead.





 37.2996, 0.2172,  
0.2544

 37.2996, 0.2172,  
0.2544


334.6058, 0.2645,  
0.2928

 25.4395, 0.2058,  
0.2447


 71.0333, 0.2341,  
0.2685

 16.4048, 0.1916,  
0.2323


 93.6758, 0.2405,  
0.2738

 9.8111, 0.1732,  
0.2159


 120.6812, 0.2460,  
0.2782

 5.2739, 0.1492,  
0.1935

 152.4339, 0.2507,  
0.2820

 2.4088, 0.1170,  
0.1620

189.3183, 0.2548,  
0.2853

 0.8304, 0.0679,  
0.1174

231.7188, 0.2584,

 0.0000, 0.0000,

0.2881

0.0000

280.0199, 0.2616,  
0.2906

■ 37.2996, 0.2172,  
0.2544

■ 37.2996, 0.2172,  
0.2544

■ 33.5916, 0.2072,  
0.2410

■ 41.5120, 0.2290,  
0.2676

■ 30.3451, 0.1993,  
0.2276

■ 46.2582, 0.2423,  
0.2803


■ 27.5137, 0.1934,  
0.2145

■ 51.5695, 0.2567,  
0.2924


■ 26.5569, 0.1916,  
0.2097


■ 57.4732, 0.2719,  
0.3037

■ 63.9944, 0.2874,  
0.3140

 71.1566, 0.3029,  
0.3235

 78.9817, 0.3183,  
0.3320

 87.1413, 0.3319,  
0.3396

 91.7711, 0.3310,  
0.3472

# Harmonies

## Analogous

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



37.2996, 0.2149, 0.2889



37.2996, 0.2172, 0.2544



37.2996, 0.2420, 0.2417

# Triad

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



37.2996, 0.2172, 0.2544



37.2996, 0.3938, 0.3107



37.2996, 0.3312, 0.4272

# Complementary

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



37.2996, 0.2172, 0.2544



32.1383, 0.4840, 0.3851

# 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.



37.2996, 0.3823, 0.4243



37.2996, 0.2172, 0.2544



37.2996, 0.4216, 0.3536

# Square

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



37.2996, 0.2172, 0.2544



37.2996, 0.3426, 0.2737



37.2996, 0.4164, 0.3950



37.2996, 0.2776, 0.3955



# Rectangle

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



37.2996, 0.2172, 0.2544



37.2996, 0.2699, 0.2446



37.2996, 0.4164, 0.3950



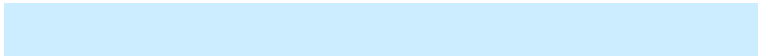
37.2996, 0.3493, 0.4300

# Sweetspot

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



37.3009, 0.2172, 0.2544



80.8088, 0.2815, 0.3102



57.4382, 0.2819, 0.4769



16.7781, 0.2771, 0.3073



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.



37.3009, 0.2172, 0.2544



42.3144, 0.2037, 0.2354



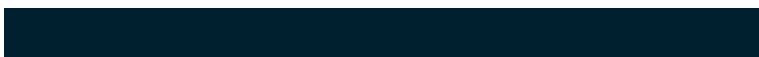
16.3414, 0.1913, 0.1463



14.7304, 0.2982, 0.3207



15.3804, 0.1922, 0.2118



1.2314, 0.1978, 0.2319



# Inverse Universe

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



24.3982, 0.3831, 0.2248



27.0994, 0.4048, 0.2147



58.4675, 0.4206, 0.4592



13.8507, 0.3191, 0.3138



10.4607, 0.4321, 0.2154



0.7418, 0.4106, 0.2036



# Previews

## White Background



This preview shows how the Yxy color 37.2996, 0.2172, 0.2544 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 37.2996, 0.2172, 0.2544 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

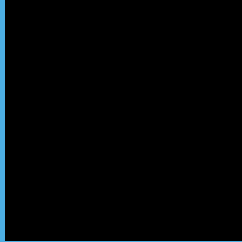
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

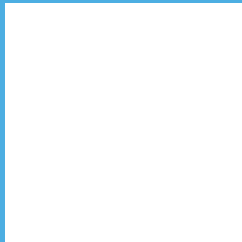
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.2996, 0.2172, 0.2544**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.2996, 0.2172, 0.2544.

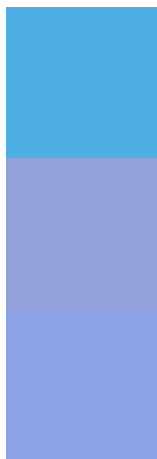


This preview shows how white text looks on a background with the Yxy color 37.2996, 0.2172, 0.2544.

# 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

37.2996, 0.2172, 0.2544

### Protanopia

36.7435, 0.2591, 0.2548

### Deuteranopia

37.1605, 0.2463, 0.2405



## Tritanopia

37.4371, 0.2278, 0.3068

# Trichromacy



**Original Color**

37.2996, 0.2172, 0.2544

**Protanomaly**

36.5773, 0.2400, 0.2538

**Deuteranomaly**

36.6558, 0.2328, 0.2439

**Tritanomaly**

37.4208, 0.2237, 0.2862

# Monochromacy



**Original Color**

37.2996, 0.2172, 0.2544

**Achromatopsia**

30.9469, 0.3127, 0.3290

**Achromatomaly**

32.2957, 0.2665, 0.2994

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.2996, 0.2172, 0.2544 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(76, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(76, 174, 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(76, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 174, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 37.2996, 0.2172, 0.2544 is called "border". The border property can be set on classes, ids or directly on the HTML element.

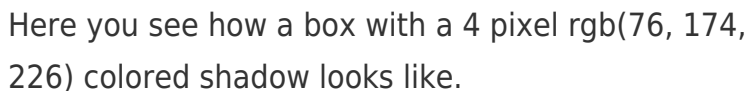
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(76, 174, 226) }
```

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

```
.border{ border-color:rgb(76, 174, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(76, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 174, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 174, 226); box-shadow:4px 4px 4px 4px rgb(76, 174, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.2996, 0.2172, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 174, 226) }
```

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

```
.background{ background-color: rgb(76, 174,  
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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