

Converting Colors

$Yxy(37.7420, 0.2313, 0.2895)$

Have a look what the booklet for
Yxy(37.7420, 0.2313, 0.2895)
contains.

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Color

Yxy(37.5951, 0.2316, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	53B1CB
RGB	83, 177, 203
RGB Percent	33%, 69%, 80%
CMY	0.6745, 0.3059, 0.2040
CMYK	0.59, 0.13, 0.00, 0.20
HSL	193°, 54%, 56%
HSV	193°, 59%, 80%
XYZ	30.0657, 37.5951, 62.1565
YIQ	151.8580, -64.3700, -11.8420

Conversions

Conversions Part 2

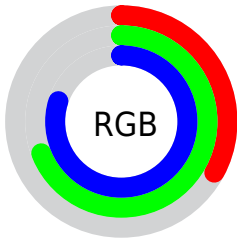
Format	Color
R _Y B	83, 136, 203
Decimal	5485003
CIE Lab	67.72, -20.19, -21.56
CIE LCh	68, 29.537, 226.889
Yxy	37.5951, 0.2316, 0.2896
Android (android.graphics.Color)	4283675083 (0xFF53B1CB)
YUV	151.8580, 25.2130, -60.3885
Hunter-Lab	61.3148, -19.7736, -17.1835

Details

The Yxy color **37.5951, 0.2316, 0.2896** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **24.2468, 0.4717, 0.3614**, and the grayscale version is **31.2445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2486, 0.2484, 0.3033**, and **16.5852, 0.2099, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **35.0968, 0.2222, 0.2817**, and if you desaturate by 10%, it is **40.4223, 0.2428, 0.2973**.

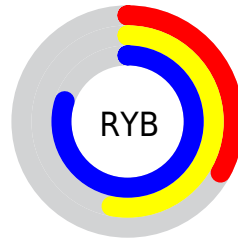
Distribution



Red (33%)

Green (69%)

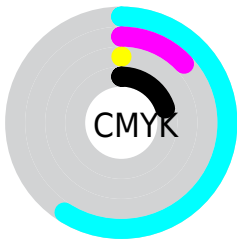
Blue (80%)



Red (33%)

Yellow (53%)

Blue (80%)

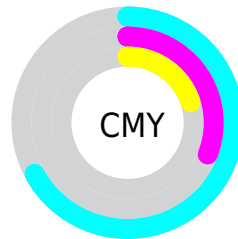


Cyan (59%)

Magenta (13%)

Yellow (0%)

Black (20%)



Cyan (67%)


Magenta (31%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5951, 0.2316, 0.2896 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 37.5951, 0.2316, 0.2896 by changing the saturation by 10% instead.


 37.5951, 0.2316,
0.2896


 37.5951, 0.2316,
0.2896


335.8799, 0.2722,
0.3109

 25.6686, 0.2216,
0.2839


 71.4871, 0.2463,
0.2977


 16.5759, 0.2088,
0.2762


 94.2214, 0.2518,
0.3006

 9.9326, 0.1921,
0.2657


 121.3271, 0.2565,
0.3030

 5.3543, 0.1695,
0.2505

 153.1885, 0.2606,
0.3051

 2.4566, 0.1376,
0.2266

190.1901, 0.2640,
0.3068

 0.8548, 0.0712,
0.1903

232.7163, 0.2671,

 0.0000, 0.0000,

0.3084

0.0000

281.1514, 0.2698,
0.3097

■ 37.5951, 0.2316,
0.2896

■ 37.5951, 0.2316,
0.2896

■ 35.0968, 0.2222,
0.2817

■ 40.4223, 0.2428,
0.2973

■ 32.8982, 0.2146,
0.2738

■ 43.5961, 0.2554,
0.3046

■ 30.9716, 0.2090,
0.2658

■ 47.1376, 0.2691,
0.3116

■ 29.2682, 0.2051,
0.2580

■ 51.0650, 0.2837,
0.3181

■ 29.1222, 0.2048,
0.2573

■ 55.3951, 0.2988,
0.3240

60.1436, 0.3141,
0.3295

65.3252, 0.3294,
0.3344

70.9540, 0.3444,
0.3387

74.9628, 0.3509,
0.3429

Harmonies

Analogous

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



37.5951, 0.2449, 0.3291



37.5951, 0.2316, 0.2896



37.5951, 0.2379, 0.2648

Triad

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



37.5951, 0.2316, 0.2896



37.5951, 0.3474, 0.2904



37.5951, 0.3608, 0.4081

Complementary

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



37.5951, 0.2316, 0.2896



24.2468, 0.4717, 0.3614

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.



37.5951, 0.3918, 0.3901



37.5951, 0.2316, 0.2896



37.5951, 0.3847, 0.3228

Square

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



37.5951, 0.2316, 0.2896



37.5951, 0.3022, 0.2671



37.5951, 0.4012, 0.3585



37.5951, 0.3182, 0.4027

Rectangle

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



37.5951, 0.2316, 0.2896



37.5951, 0.2526, 0.2581



37.5951, 0.4012, 0.3585



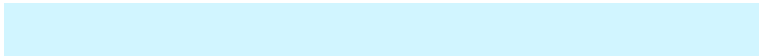
37.5951, 0.3730, 0.4043

Sweetspot

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



37.5965, 0.2316, 0.2896



86.1343, 0.2850, 0.3186



45.6008, 0.2920, 0.4829



18.0027, 0.2806, 0.3168



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.



37.5965, 0.2316, 0.2896



57.6901, 0.2198, 0.2795



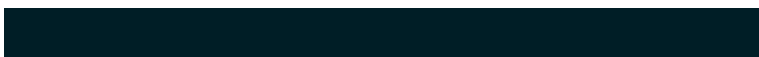
19.3401, 0.2107, 0.1946



12.2989, 0.2983, 0.3239



18.6761, 0.2051, 0.2584



1.0686, 0.2094, 0.2737

Inverse Universe

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



22.0532, 0.3506, 0.2169



31.0991, 0.3616, 0.2006



40.9483, 0.4214, 0.4314



11.3605, 0.3170, 0.3110



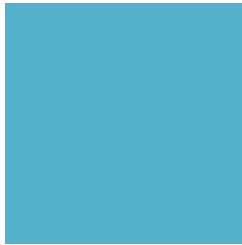
9.6884, 0.3840, 0.1889



0.5104, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 37.5951, 0.2316, 0.2896 looks on a white background.

Color Contrast Check

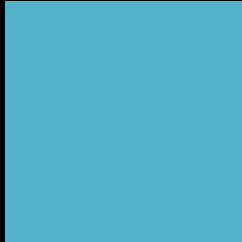
Large Text (above 18pt) WCAG AA × Fail

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 37.5951, 0.2316, 0.2896 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 37.5951, 0.2316, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 37.5951, 0.2316, 0.2896.

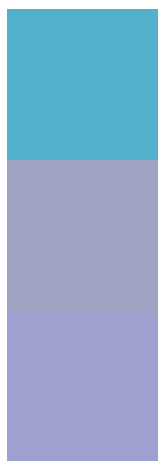


This preview shows how white text looks on a background with the Yxy color 37.5951, 0.2316, 0.2896.

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

37.5951, 0.2316, 0.2896

Protanopia

37.3137, 0.2836, 0.2874

Deuteranopia

37.2638, 0.2730, 0.2670



Tritanopia

37.7527, 0.2357, 0.3071

Trichromacy



Original Color

37.5951, 0.2316, 0.2896

Protanomaly

36.8618, 0.2603, 0.2869

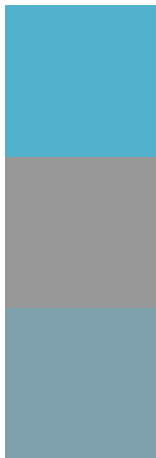
Deuteranomaly

36.9190, 0.2543, 0.2736

Tritanomaly

37.5775, 0.2337, 0.2996

Monochromacy



Original Color

37.5951, 0.2316, 0.2896

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.9420, 0.2743, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5951, 0.2316, 0.2896 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(83, 177, 203)` looks like.

```
.text, #text, p{  
    color:rgb(83, 177, 203)  
}
```

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(83, 177, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 177, 203) }
```

Border

The CSS property to change the border of an element to Yxy 37.5951, 0.2316, 0.2896 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(83, 177, 203) }
```

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

```
.border{ border-color:rgb(83, 177, 203) }
```

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

Here you see how a box with a 4 pixel rgb(83, 177, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 177, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 177, 203);  
box-shadow:4px 4px 4px 4px rgb(83, 177,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5951, 0.2316, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 177, 203) }
```

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

```
.background{ background-color: rgb(83, 177,  
203) }
```

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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