

Converting Colors

$Yxy(37.4784, 0.2109, 0.2528)$

Have a look what the booklet for
Yxy(37.4784, 0.2109, 0.2528)
contains.

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Color

Yxy(37.5777, 0.2109, 0.2528)

Conversions

Conversions Part 1

Format	Color
Hex	39B0E5
RGB	57, 176, 229
RGB Percent	22%, 69%, 90%
CMY	0.7768, 0.3098, 0.1020
CMYK	0.75, 0.23, 0.00, 0.10
HSL	198°, 77%, 56%
HSV	198°, 75%, 90%
XYZ	31.3494, 37.5777, 79.7188
YIQ	146.4610, -87.9370, -8.7450

Conversions

Conversions Part 2

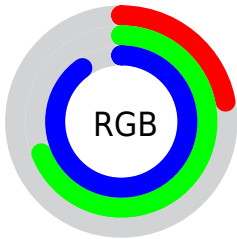
Format	Color
RYB	57, 127, 229
Decimal	3780837
CIELab	67.71, -15.35, -35.93
CIELCh	68, 39.075, 246.871
Yxy	37.5777, 0.2109, 0.2528
Android (android.graphics.Color)	4281970917 (0xFF39B0E5)
YUV	146.4610, 40.6917, -78.4573
Hunter-Lab	61.3007, -15.9904, -34.1936

Details

The Yxy color **37.5777, 0.2109, 0.2528** is a light color, and the websafe version is hex **0099CC**. The color can be described as light washed azure. A complement of this color would be **28.0765, 0.5222, 0.3798**, and the grayscale version is **28.7906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4453, 0.2418, 0.3017**, and **17.4324, 0.1985, 0.2346** is the 20% darker color. If you saturate the color by 10%, you get **34.3588, 0.2033, 0.2410**, and if you desaturate by 10%, it is **41.2458, 0.2205, 0.2646**.

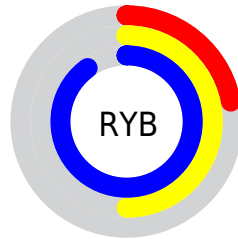
Distribution



Red (22%)

Green (69%)

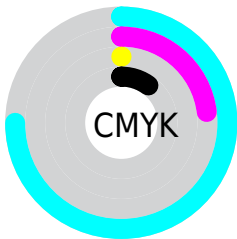
Blue (90%)



Red (22%)

Yellow (50%)

Blue (90%)

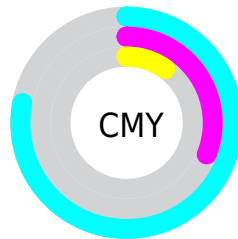


Cyan (75%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (78%)

Magenta (31%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5777, 0.2109, 0.2528 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 37.5777, 0.2109, 0.2528 by changing the saturation by 10% instead.

■ 37.5777, 0.2109,
0.2528

■ 37.5777, 0.2109,
0.2528

■ 335.8049, 0.2610,
0.2922

■ 25.6551, 0.1990,
0.2429

■ 71.4604, 0.2287,
0.2672

■ 16.5658, 0.1841,
0.2301

■ 94.1893, 0.2355,
0.2726

■ 9.9254, 0.1651,
0.2134

■ 121.2891, 0.2413,
0.2772

■ 5.3495, 0.1405,
0.1907

■ 153.1441, 0.2464,
0.2811

■ 2.4538, 0.1080,
0.1589

■ 190.1388, 0.2507,
0.2844

■ 0.8533, 0.0585,
0.1144

232.6576, 0.2545,

■ 0.0000, 0.0000,

0.2873

0.0000

281.0848, 0.2579,
0.2899

■ 37.5777, 0.2109,
0.2528

■ 37.5777, 0.2109,
0.2528

■ 34.3588, 0.2033,
0.2410

■ 41.2458, 0.2205,
0.2646

■ 31.5386, 0.1977,
0.2294

■ 45.3974, 0.2320,
0.2761

■ 30.2788, 0.1955,
0.2238

■ 50.0671, 0.2449,
0.2873

■ 55.2845, 0.2591,
0.2978

■ 61.0765, 0.2740,
0.3077

67.4680, 0.2893,
0.3168

74.4822, 0.3048,
0.3251

82.1408, 0.3201,
0.3325

88.9166, 0.3297,
0.3393

Harmonies

Analogous

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



37.5777, 0.2109, 0.2912



37.5777, 0.2109, 0.2528



37.5777, 0.2345, 0.2374

Triad

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



37.5777, 0.2109, 0.2528



37.5777, 0.3939, 0.3051



37.5777, 0.3377, 0.4347

Complementary

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



37.5777, 0.2109, 0.2528



28.0765, 0.5222, 0.3798

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.



37.5777, 0.3907, 0.4274



37.5777, 0.2109, 0.2528



37.5777, 0.4265, 0.3497

Square

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



37.5777, 0.2109, 0.2528



37.5777, 0.3380, 0.2675



37.5777, 0.4243, 0.3940



37.5777, 0.2808, 0.4047

Rectangle

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



37.5777, 0.2109, 0.2528



37.5777, 0.2624, 0.2392



37.5777, 0.4243, 0.3940



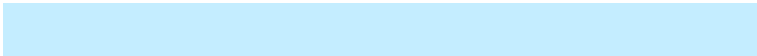
37.5777, 0.3566, 0.4362

Sweetspot

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



37.5790, 0.2109, 0.2528



79.5392, 0.2770, 0.3096



57.9922, 0.2839, 0.5076



16.4191, 0.2715, 0.3061



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.



37.5790, 0.2109, 0.2528



41.8593, 0.2000, 0.2347



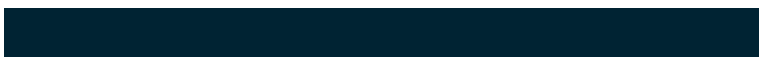
14.0611, 0.1790, 0.1285



15.5483, 0.2981, 0.3216



17.5371, 0.1960, 0.2256



1.4588, 0.2007, 0.2425

Inverse Universe

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



22.7079, 0.3867, 0.2111



25.4522, 0.4070, 0.2060



55.7882, 0.4368, 0.4645



14.5357, 0.3185, 0.3129



10.9681, 0.4173, 0.2072



0.8269, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 37.5777, 0.2109, 0.2528 looks on a white background.

Color Contrast Check

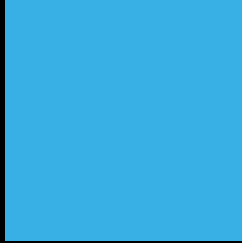
Large Text (above 18pt) WCAG AA × Fail

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 37.5777, 0.2109, 0.2528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

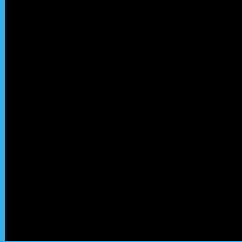
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

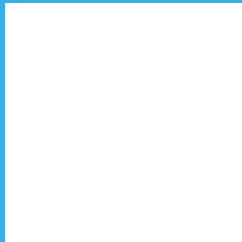
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5777, 0.2109, 0.2528

Background



This preview shows how black text looks on a background with the Yxy color 37.5777, 0.2109, 0.2528.



This preview shows how white text looks on a background with the Yxy color 37.5777, 0.2109, 0.2528.

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

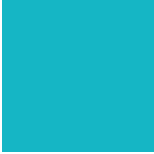
37.5777, 0.2109, 0.2528

Protanopia

37.1985, 0.2579, 0.2539

Deuteranopia

37.1558, 0.2432, 0.2370



Tritanopia

37.6465, 0.2197, 0.3050

Trichromacy



Original Color

37.5777, 0.2109, 0.2528

Protanomaly

36.5562, 0.2350, 0.2521

Deuteranomaly

36.6582, 0.2272, 0.2411

Tritanomaly

37.5860, 0.2156, 0.2844

Monochromacy



Original Color

37.5777, 0.2109, 0.2528

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.8259, 0.2598, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5777, 0.2109, 0.2528 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(57, 176, 229)` looks like.

```
.text, #text, p{  
    color:rgb(57, 176, 229)  
}
```

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(57, 176, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 176, 229) }
```

Border

The CSS property to change the border of an element to Yxy 37.5777, 0.2109, 0.2528 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(57, 176, 229) }
```

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

```
.border{ border-color:rgb(57, 176, 229) }
```

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

Here you see how a box with a 4 pixel rgb(57, 176, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 176, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 176, 229);  
box-shadow:4px 4px 4px 4px rgb(57, 176,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5777, 0.2109, 0.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 176, 229) }
```

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

```
.background{ background-color: rgb(57, 176,  
229) }
```

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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