

Converting Colors

$Y_{xy}(51.3852, 0.2392, 0.2936)$

Have a look what the booklet for
Yxy(51.3852, 0.2392, 0.2936)
contains.

Yxy(51.2777, 0.2391, 0.2932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.2777, 0.2391, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	6FCAE5
RGB	111, 202, 229
RGB Percent	44%, 79%, 90%
CMY	0.5646, 0.2078, 0.1021
CMYK	0.52, 0.12, 0.00, 0.10
HSL	194°, 69%, 67%
HSV	194°, 52%, 90%
XYZ	41.8162, 51.2777, 81.7960
YIQ	177.8690, -62.9030, -10.8950

Conversions

Conversions Part 2

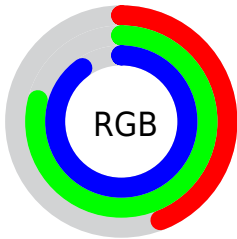
Format	Color
R_{YB}	111, 162, 229
Decimal	7326437
CIE _{Lab}	76.85, -19.92, -21.73
CIE _{LCh}	77, 29.479, 227.488
Yxy	51.2777, 0.2391, 0.2932
Android (android.graphics.Color)	4285516517 (0xFF6FCAE5)
YUV	177.8690, 25.2076, -58.6441
Hunter-Lab	71.6084, -21.0787, -17.5991

Details

The Yxy color **51.2777, 0.2391, 0.2932** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **35.9712, 0.4431, 0.3601**, and the grayscale version is **44.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **24.8013, 0.2209, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **47.5649, 0.2282, 0.2849**, and if you desaturate by 10%, it is **55.4582, 0.2516, 0.3012**.

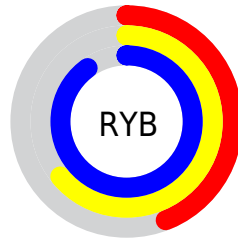
Distribution



Red (44%)

Green (79%)

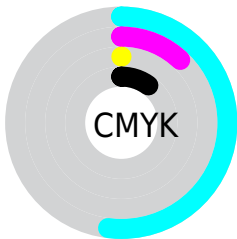
Blue (90%)



Red (44%)

Yellow (64%)

Blue (90%)

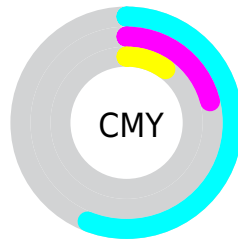


Cyan (52%)

Magenta (12%)

Yellow (0%)

Black (10%)



Cyan (56%)

Magenta (21%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2777, 0.2391, 0.2932 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 51.2777, 0.2391, 0.2932 by changing the saturation by 10% instead.

■ 51.2777, 0.2391,
0.2932

■ 51.2777, 0.2391,
0.2932

■ 391.6417, 0.2742,
0.3115

■ 36.4297, 0.2309,
0.2886

■ 92.0651, 0.2514,
0.2999

■ 24.7662, 0.2207,
0.2826

■ 118.7733, 0.2562,
0.3024

■ 15.9030, 0.2077,
0.2747

■ 150.2037, 0.2603,
0.3045

■ 9.4555, 0.1905,
0.2638

■ 186.7406, 0.2638,
0.3063

■ 5.0395, 0.1673,
0.2478

■ 228.7684, 0.2669,
0.3079

■ 2.2704, 0.1344,
0.2228

■ 276.6717, 0.2696,

■ 0.7580, 0.0571,

0.3093

0.1849

330.8346, 0.2720,
0.3105

0.0000, 0.0000,
0.0000

51.2777, 0.2391,
0.2932

51.2777, 0.2391,
0.2932

47.5649, 0.2282,
0.2849

55.4582, 0.2516,
0.3012

44.2836, 0.2190,
0.2765

60.1281, 0.2653,
0.3087

41.4008, 0.2118,
0.2680


65.3142, 0.2798,
0.3157


38.8748, 0.2066,
0.2595


71.0396, 0.2950,
0.3222


36.9533, 0.2035,
0.2524

77.3258, 0.3104,
0.3282

 84.1931, 0.3258,
0.3335

 88.4380, 0.3298,
0.3386

 91.5409, 0.3292,
0.3436

 94.7333, 0.3286,
0.3487

Harmonies

Analogous

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



51.2777, 0.2510, 0.3286



51.2777, 0.2391, 0.2932



51.2777, 0.2452, 0.2707

Triad

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



51.2777, 0.2391, 0.2932



51.2777, 0.3448, 0.2945



51.2777, 0.3557, 0.4002

Complementary

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



51.2777, 0.2391, 0.2932



35.9712, 0.4431, 0.3601

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.



51.2777, 0.3837, 0.3850



51.2777, 0.2391, 0.2932



51.2777, 0.3779, 0.3243

Square

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



51.2777, 0.2391, 0.2932



51.2777, 0.3042, 0.2731



51.2777, 0.3924, 0.3568



51.2777, 0.3172, 0.3945

Rectangle

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



51.2777, 0.2391, 0.2932



51.2777, 0.2588, 0.2646



51.2777, 0.3924, 0.3568



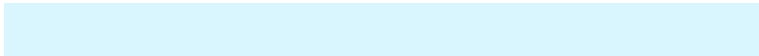
51.2777, 0.3667, 0.3971

Sweetspot

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



51.2796, 0.2391, 0.2932



88.0014, 0.2895, 0.3200



61.1941, 0.2925, 0.4584



18.5030, 0.2863, 0.3186



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.



51.2796, 0.2391, 0.2932



60.3471, 0.2273, 0.2842



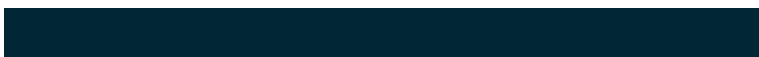
29.1151, 0.2228, 0.2110



15.7483, 0.2981, 0.3235



21.3253, 0.2038, 0.2537



1.7127, 0.2072, 0.2660

Inverse Universe

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



32.2899, 0.3463, 0.2298



34.8981, 0.3558, 0.2131



57.0763, 0.4058, 0.4226



14.5559, 0.3173, 0.3110



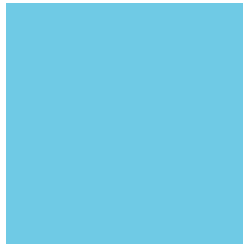
11.3505, 0.3886, 0.1914



0.8526, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 51.2777, 0.2391, 0.2932 looks on a white background.

Color Contrast Check

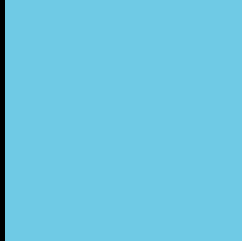
Large Text (above 18pt) WCAG AA × Fail

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 51.2777, 0.2391, 0.2932 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 51.2777, 0.2391, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 51.2777, 0.2391, 0.2932.



This preview shows how white text looks on a background with the Yxy color 51.2777, 0.2391, 0.2932.

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

51.2777, 0.2391, 0.2932

Protanopia

50.7224, 0.2862, 0.2899

Deuteranopia

50.8954, 0.2782, 0.2720



Tritanopia

51.5412, 0.2426, 0.3072

Trichromacy



Original Color

51.2777, 0.2391, 0.2932

Protanomaly

50.1951, 0.2658, 0.2896

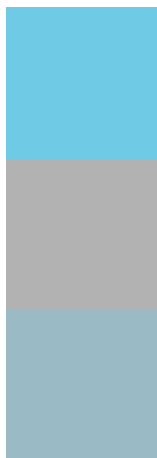
Deuteranomaly

50.3569, 0.2610, 0.2779

Tritanomaly

51.2908, 0.2413, 0.3020

Monochromacy



Original Color

51.2777, 0.2391, 0.2932

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.4419, 0.2797, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2777, 0.2391, 0.2932 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(111, 202, 229)` looks like.

```
.text, #text, p{  
    color:rgb(111, 202, 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(111, 202, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 202, 229) }
```

Border

The CSS property to change the border of an element to Yxy 51.2777, 0.2391, 0.2932 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(111, 202, 229) }
```

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

```
.border{ border-color:rgb(111, 202, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 202, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 202, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 202, 229);  
box-shadow:4px 4px 4px 4px rgb(111, 202,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2777, 0.2391, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 202, 229) }
```

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

```
.background{ background-color: rgb(111,  
202, 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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