

Converting Colors

$Y_{xy}(52.0690, 0.2409, 0.2914)$

Have a look what the booklet for
Yxy(52.0690, 0.2409, 0.2914)
contains.

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Color

Yxy(52.2633, 0.2411, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	75CBE7
RGB	117, 203, 231
RGB Percent	46%, 80%, 91%
CMY	0.5415, 0.2039, 0.0941
CMYK	0.49, 0.12, 0.00, 0.09
HSL	195°, 70%, 68%
HSV	195°, 49%, 91%
XYZ	43.1087, 52.2633, 83.4282
YIQ	180.4780, -60.2440, -9.5240

Conversions

Conversions Part 2

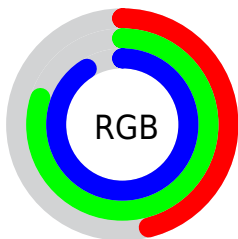
Format	Color
R _Y B	117, 166, 231
Decimal	7719911
CIE Lab	77.44, -18.59, -21.91
CIE LCh	77, 28.736, 229.690
Yxy	52.2633, 0.2411, 0.2923
Android (android.graphics.Color)	4285909991 (0xFF75CBE7)
YUV	180.4780, 24.9073, -55.6702
Hunter-Lab	72.2934, -20.0733, -17.8167

Details

The Yxy color **52.2633, 0.2411, 0.2923** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.4999, 0.4342, 0.3612**, and the grayscale version is **45.7910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **25.4308, 0.2236, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **48.2297, 0.2296, 0.2834**, and if you desaturate by 10%, it is **56.7935, 0.2541, 0.3008**.

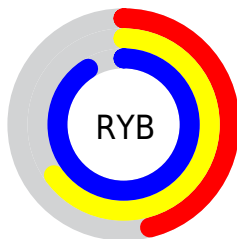
Distribution



Red (46%)

Green (80%)

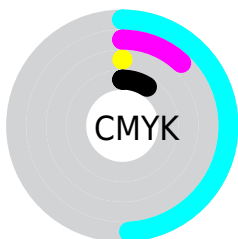
Blue (91%)



Red (46%)

Yellow (65%)

Blue (91%)

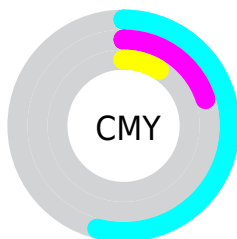


Cyan (49%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (54%)

Magenta (20%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2633, 0.2411, 0.2923 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 52.2633, 0.2411, 0.2923 by changing the saturation by 10% instead.

■ 52.2633, 0.2411,
0.2923

■ 52.2633, 0.2411,
0.2923

■ 395.4523, 0.2752,
0.3109

■ 37.2150, 0.2332,
0.2876

■ 93.5194, 0.2531,
0.2991

■ 25.3740, 0.2233,
0.2817

■ 120.4960, 0.2577,
0.3016

■ 16.3559, 0.2107,
0.2738

■ 152.2176, 0.2616,
0.3038

■ 9.7764, 0.1941,
0.2629

■ 189.0683, 0.2651,
0.3056

■ 5.2509, 0.1717,
0.2472

■ 231.4328, 0.2681,
0.3072

■ 2.3952, 0.1399,
0.2227

■ 279.6954, 0.2707,

■ 0.8234, 0.0739,

0.3086

0.1852

334.2404, 0.2731,
0.3098

0.0000, 0.0000,
0.0000

52.2633, 0.2411,
0.2923

52.2633, 0.2411,
0.2923

48.2297, 0.2296,
0.2834

56.7935, 0.2541,
0.3008

44.6561, 0.2198,
0.2743

61.8419, 0.2681,
0.3088

41.5097, 0.2120,
0.2651


67.4358, 0.2829,
0.3163


38.7495, 0.2061,
0.2559


73.5986, 0.2982,
0.3231


36.3100, 0.2020,
0.2469


80.3521, 0.3137,
0.3294

 36.1668, 0.2018,
0.2463

 87.6170, 0.3286,
0.3350

 90.9528, 0.3280,
0.3405

 94.3933, 0.3274,
0.3459

 97.9395, 0.3269,
0.3513

Harmonies

Analogous

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



52.2633, 0.2514, 0.3259



52.2633, 0.2411, 0.2923



52.2633, 0.2483, 0.2715

Triad

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



52.2633, 0.2411, 0.2923



52.2633, 0.3466, 0.2975



52.2633, 0.3519, 0.3983

Complementary

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



52.2633, 0.2411, 0.2923



38.4999, 0.4342, 0.3612

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.



52.2633, 0.3801, 0.3850



52.2633, 0.2411, 0.2923



52.2633, 0.3776, 0.3269

Square

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



52.2633, 0.2411, 0.2923



52.2633, 0.3074, 0.2759



52.2633, 0.3900, 0.3584



52.2633, 0.3142, 0.3910

Rectangle

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



52.2633, 0.2411, 0.2923



52.2633, 0.2623, 0.2663



52.2633, 0.3900, 0.3584



52.2633, 0.3629, 0.3959

Sweetspot

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



52.2653, 0.2411, 0.2923



87.6097, 0.2895, 0.3193



62.9367, 0.2921, 0.4494



18.4081, 0.2863, 0.3178



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.



52.2653, 0.2411, 0.2923



60.3789, 0.2297, 0.2835



30.5209, 0.2261, 0.2141



15.7057, 0.2981, 0.3231



20.4769, 0.2022, 0.2478



1.6564, 0.2059, 0.2610

Inverse Universe

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



34.0073, 0.3466, 0.2353



36.3377, 0.3559, 0.2195



59.8563, 0.4006, 0.4210



14.5516, 0.3175, 0.3114



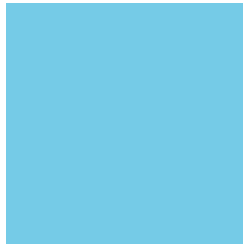
11.2649, 0.3944, 0.1947



0.8469, 0.3814, 0.1875

Previews

White Background



This preview shows how the Yxy color 52.2633, 0.2411, 0.2923 looks on a white background.

Color Contrast Check

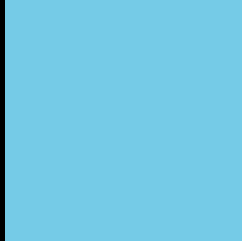
Large Text (above 18pt) WCAG AA × Fail

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 52.2633, 0.2411, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

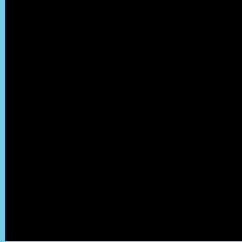
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2633, 0.2411, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 52.2633, 0.2411, 0.2923.



This preview shows how white text looks on a background with the Yxy color 52.2633, 0.2411, 0.2923.

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

52.2633, 0.2411, 0.2923

Protanopia

51.8060, 0.2857, 0.2902

Deuteranopia

51.5551, 0.2777, 0.2712



Tritanopia

52.4605, 0.2451, 0.3075

Trichromacy



Original Color

52.2633, 0.2411, 0.2923

Protanomaly

51.4934, 0.2669, 0.2900

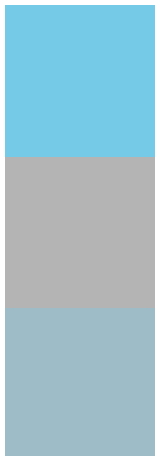
Deuteranomaly

51.2169, 0.2619, 0.2772

Tritanomaly

52.2668, 0.2434, 0.3010

Monochromacy



Original Color

52.2633, 0.2411, 0.2923

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.2581, 0.2806, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2633, 0.2411, 0.2923 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(117, 203, 231)` looks like.

```
.text, #text, p{  
    color:rgb(117, 203, 231)  
}
```

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(117, 203, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 203, 231) }
```

Border

The CSS property to change the border of an element to Yxy 52.2633, 0.2411, 0.2923 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(117, 203, 231) }
```

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

```
.border{ border-color:rgb(117, 203, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 203, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 203, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 203, 231);  
box-shadow:4px 4px 4px 4px rgb(117, 203,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2633, 0.2411, 0.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 203, 231) }
```

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

```
.background{ background-color: rgb(117,  
203, 231) }
```

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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