

Converting Colors

$Y_{xy}(52.4161, 0.2554, 0.3074)$

Have a look what the booklet for
Yxy(52.4161, 0.2554, 0.3074)
contains.

Yxy(52.3421, 0.2552, 0.3066)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.3421, 0.2552, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	85CADB
RGB	133, 202, 219
RGB Percent	52%, 79%, 86%
CMY	0.4787, 0.2078, 0.1413
CMYK	0.39, 0.08, 0.00, 0.14
HSL	192°, 54%, 69%
HSV	192°, 39%, 86%
XYZ	43.5672, 52.3421, 74.8086
YIQ	183.3070, -46.5810, -9.3410

Conversions

Conversions Part 2

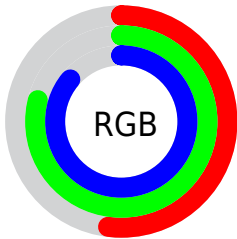
Format	Color
RYB	133, 171, 219
Decimal	8768219
CIELab	77.48, -17.44, -15.30
CIELCh	77, 23.195, 221.265
Yxy	52.3421, 0.2552, 0.3066
Android (android.graphics.Color)	4286958299 (0xFF85CADB)
YUV	183.3070, 17.5966, -44.1192
Hunter-Lab	72.3478, -19.1177, -10.6631

Details

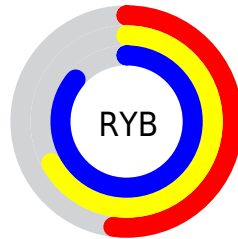
The Yxy color **52.3421, 0.2552, 0.3066** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.5211, 0.4025, 0.3499**, and the grayscale version is **47.4430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **25.4798, 0.2407, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **48.7482, 0.2428, 0.2999**, and if you desaturate by 10%, it is **56.3682, 0.2688, 0.3130**.

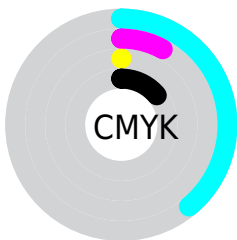
Distribution



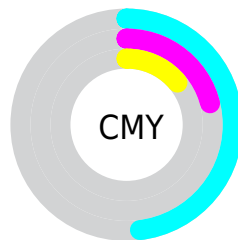
- Red (52%)
- Green (79%)
- Blue (86%)



- Red (52%)
- Yellow (67%)
- Blue (86%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)



- Cyan (48%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3421, 0.2552, 0.3066 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 52.3421, 0.2552, 0.3066 by changing the saturation by 10% instead.

■ 52.3421, 0.2552,
0.3066

■ 52.3421, 0.2552,
0.3066

■ 395.7559, 0.2828,
0.3181

■ 37.2778, 0.2487,
0.3037

■ 93.6356, 0.2650,
0.3108

■ 25.4227, 0.2405,
0.2999

■ 120.6336, 0.2687,
0.3124

■ 16.3922, 0.2300,
0.2948

■ 152.3782, 0.2719,
0.3137

■ 9.8021, 0.2160,
0.2877

■ 189.2540, 0.2747,
0.3149

■ 5.2680, 0.1965,
0.2770

■ 231.6453, 0.2771,
0.3158

■ 2.4053, 0.1678,
0.2597

■ 279.9364, 0.2792,

■ 0.8286, 0.1018,

0.3167

0.2332

334.5118, 0.2811,
0.3174

0.0000, 0.0000,
0.0000

52.3421, 0.2552,
0.3066

52.3421, 0.2552,
0.3066

48.7482, 0.2428,
0.2999

56.3682, 0.2688,
0.3130

45.5565, 0.2319,
0.2929

60.8420, 0.2833,
0.3189

42.7428, 0.2228,
0.2858

65.7856, 0.2984,
0.3244


40.2770, 0.2156,
0.2786

71.2179, 0.3138,
0.3293


38.1239, 0.2104,
0.2714


77.1565, 0.3292,
0.3338


 36.2258, 0.2068,
0.2643

 81.8103, 0.3377,
0.3380

 36.0975, 0.2066,
0.2638

 84.2129, 0.3371,
0.3423

 86.6751, 0.3365,
0.3465

 89.1973, 0.3359,
0.3507

Harmonies

Analogous

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



52.3421, 0.2678, 0.3354



52.3421, 0.2552, 0.3066



52.3421, 0.2571, 0.2860

Triad

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



52.3421, 0.2552, 0.3066



52.3421, 0.3316, 0.2975



52.3421, 0.3522, 0.3834

Complementary

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



52.3421, 0.2552, 0.3066



38.5211, 0.4025, 0.3499

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.



52.3421, 0.3711, 0.3696



52.3421, 0.2552, 0.3066



52.3421, 0.3592, 0.3205

Square

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



52.3421, 0.2552, 0.3066



52.3421, 0.2999, 0.2821



52.3421, 0.3739, 0.3464



52.3421, 0.3232, 0.3819

Rectangle

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



52.3421, 0.2552, 0.3066



52.3421, 0.2662, 0.2790



52.3421, 0.3739, 0.3464



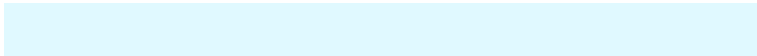
52.3421, 0.3600, 0.3802

Sweetspot

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



52.3441, 0.2552, 0.3066



90.8644, 0.2941, 0.3229



57.7918, 0.2980, 0.4265



19.2490, 0.2921, 0.3222



0.0000, 0.0000, 0.0000



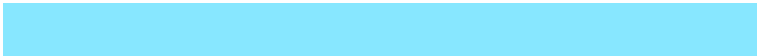
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.3441, 0.2552, 0.3066



69.7508, 0.2451, 0.3012



35.2942, 0.2463, 0.2480



14.3709, 0.2982, 0.3243



21.5655, 0.2069, 0.2648



1.5107, 0.2101, 0.2765

Inverse Universe

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



36.0748, 0.3336, 0.2494



44.4211, 0.3392, 0.2339



54.3269, 0.3827, 0.3982



13.2286, 0.3168, 0.3104



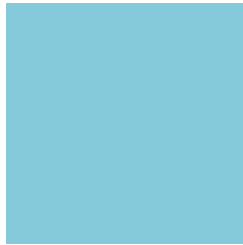
10.8008, 0.3777, 0.1855



0.7112, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 52.3421, 0.2552, 0.3066 looks on a white background.

Color Contrast Check

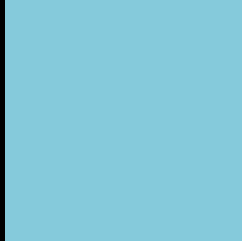
Large Text (above 18pt) WCAG AA × Fail

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 52.3421, 0.2552, 0.3066 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 52.3421, 0.2552, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 52.3421, 0.2552, 0.3066.



This preview shows how white text looks on a background with the Yxy color 52.3421, 0.2552, 0.3066.

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

52.3421, 0.2552, 0.3066

Protanopia

51.7897, 0.2957, 0.3021

Deuteranopia

51.8611, 0.2925, 0.2862



Tritanopia

52.2896, 0.2558, 0.3078

Trichromacy



Original Color

52.3421, 0.2552, 0.3066

Protanomaly

51.7634, 0.2791, 0.3037

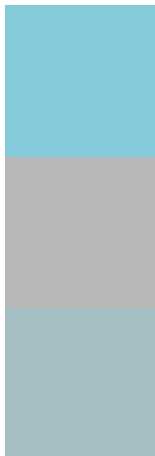
Deuteranomaly

51.6904, 0.2773, 0.2930

Tritanomaly

52.2896, 0.2558, 0.3078

Monochromacy



Original Color

52.3421, 0.2552, 0.3066

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.8118, 0.2887, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3421, 0.2552, 0.3066 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(133, 202, 219)` looks like.

```
.text, #text, p{  
    color:rgb(133, 202, 219)  
}
```

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(133, 202, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 202, 219) }
```

Border

The CSS property to change the border of an element to Yxy 52.3421, 0.2552, 0.3066 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(133, 202, 219) }
```

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

```
.border{ border-color:rgb(133, 202, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 202, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 202, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 202, 219);  
box-shadow:4px 4px 4px 4px rgb(133, 202,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3421, 0.2552, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 202, 219) }
```

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

```
.background{ background-color: rgb(133,  
202, 219) }
```

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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