

Converting Colors

$Y_{xy}(52.7290, 0.2342, 0.2867)$

Have a look what the booklet for
Yxy(52.7290, 0.2342, 0.2867)
contains.

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Color

$\text{Yxy}(52.9029, 0.2345, 0.2873)$

Conversions

Conversions Part 1

Format	Color
Hex	6BCDED
RGB	107, 205, 237
RGB Percent	42%, 80%, 93%
CMY	0.5804, 0.1961, 0.0706
CMYK	0.55, 0.14, 0.00, 0.07
HSL	195°, 78%, 67%
HSV	195°, 55%, 93%
XYZ	43.1804, 52.9029, 88.0549
YIQ	179.3460, -68.6800, -10.8240

Conversions

Conversions Part 2

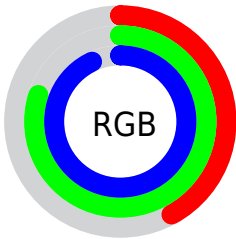
Format	Color
RYB	107, 163, 237
Decimal	7065069
CIELab	77.82, -20.01, -24.58
CIElCh	78, 31.698, 230.847
Yxy	52.9029, 0.2345, 0.2873
Android (android.graphics.Color)	4285255149 (0xFF6BCDED)
YUV	179.3460, 28.4234, -63.4474
Hunter-Lab	72.7344, -21.3146, -20.8646

Details

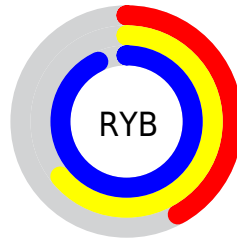
The Yxy color **52.9029, 0.2345, 0.2873** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.5313, 0.4543, 0.3643**, and the grayscale version is **45.1478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **25.8815, 0.2156, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **48.8926, 0.2239, 0.2782**, and if you desaturate by 10%, it is **57.4237, 0.2467, 0.2961**.

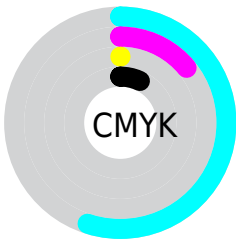
Distribution



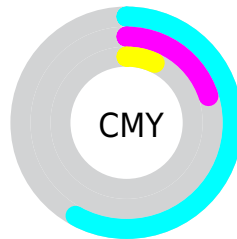
- Red (42%)
- Green (80%)
- Blue (93%)



- Red (42%)
- Yellow (64%)
- Blue (93%)



- Cyan (55%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)




- Cyan (58%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9029, 0.2345, 0.2873 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 52.9029, 0.2345, 0.2873 by changing the saturation by 10% instead.


 52.9029, 0.2345,
0.2873


 52.9029, 0.2345,
0.2873


397.9125, 0.2715,
0.3084

 37.7253, 0.2260,
0.2821


 94.4615, 0.2474,
0.2950

 25.7695, 0.2154,
0.2754


 121.6112, 0.2524,
0.2978

 16.6513, 0.2020,
0.2666

 153.5204, 0.2567,
0.3003

 9.9862, 0.1846,
0.2545

190.5735, 0.2605,
0.3024

 5.3898, 0.1612,
0.2373

233.1548, 0.2637,
0.3042

 2.4777, 0.1288,
0.2110

281.6489, 0.2666,

 0.8655, 0.0661,

0.3058

0.1714

336.4399, 0.2692,
0.3072

■ 0.0000, 0.0000,
0.0000

■ 52.9029, 0.2345,
0.2873

■ 52.9029, 0.2345,
0.2873

■ 48.8926, 0.2239,
0.2782

■ 57.4237, 0.2467,
0.2961

■ 45.3519, 0.2151,
0.2690

■ 62.4800, 0.2602,
0.3044

■ 42.2426, 0.2084,
0.2598

■ 68.1021, 0.2747,
0.3122


■ 39.5152, 0.2036,
0.2506


■ 74.3159, 0.2898,
0.3194


■ 38.2212, 0.2017,
0.2459

■ 81.1456, 0.3052,
0.3260

 88.6138, 0.3207,
0.3320

 93.1866, 0.3240,
0.3376

 96.7881, 0.3235,
0.3432

 98.8944, 0.3232,
0.3464

Harmonies

Analogous

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



52.9029, 0.2449, 0.3237



52.9029, 0.2345, 0.2873



52.9029, 0.2430, 0.2655

Triad

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



52.9029, 0.2345, 0.2873



52.9029, 0.3514, 0.2956



52.9029, 0.3540, 0.4054

Complementary

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



52.9029, 0.2345, 0.2873



37.5313, 0.4543, 0.3643

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.



52.9029, 0.3857, 0.3910



52.9029, 0.2345, 0.2873



52.9029, 0.3851, 0.3277

Square

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



52.9029, 0.2345, 0.2873



52.9029, 0.3083, 0.2718



52.9029, 0.3977, 0.3620



52.9029, 0.3125, 0.3968

Rectangle

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



52.9029, 0.2345, 0.2873



52.9029, 0.2587, 0.2605



52.9029, 0.3977, 0.3620



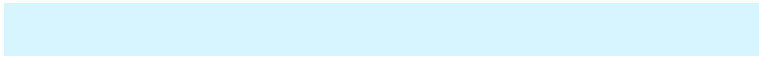
52.9029, 0.3662, 0.4028

Sweetspot

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



52.9049, 0.2345, 0.2873



86.8256, 0.2880, 0.3186



65.5100, 0.2906, 0.4657



18.2510, 0.2848, 0.3171



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.



52.9049, 0.2345, 0.2873



57.1107, 0.2225, 0.2769



28.4883, 0.2159, 0.1986



16.4573, 0.2981, 0.3231



21.0844, 0.2021, 0.2474



1.8048, 0.2056, 0.2601

Inverse Universe

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



32.9286, 0.3518, 0.2262



32.8613, 0.3629, 0.2103



61.4641, 0.4113, 0.4301



15.2467, 0.3175, 0.3114



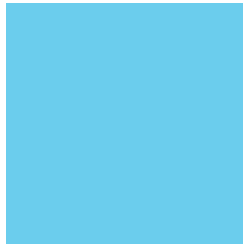
11.6213, 0.3948, 0.1948



0.9276, 0.3823, 0.1880

Previews

White Background



This preview shows how the Yxy color 52.9029, 0.2345, 0.2873 looks on a white background.

Color Contrast Check

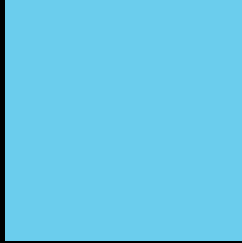
Large Text (above 18pt) WCAG AA × Fail

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 52.9029, 0.2345, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

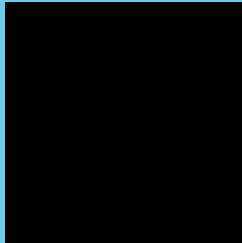
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9029, 0.2345, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 52.9029, 0.2345, 0.2873.

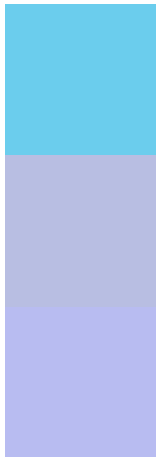


This preview shows how white text looks on a background with the Yxy color 52.9029, 0.2345, 0.2873.

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

52.9029, 0.2345, 0.2873

Protanopia

52.5082, 0.2825, 0.2857

Deuteranopia

52.5077, 0.2727, 0.2670



Tritanopia

52.8322, 0.2389, 0.3061

Trichromacy



Original Color

52.9029, 0.2345, 0.2873

Protanomaly

51.8113, 0.2615, 0.2852

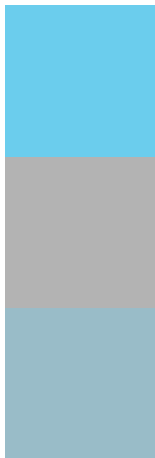
Deuteranomaly

51.9428, 0.2557, 0.2726

Tritanomaly

52.7428, 0.2372, 0.2984

Monochromacy



Original Color

52.9029, 0.2345, 0.2873

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.9089, 0.2770, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9029, 0.2345, 0.2873 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(107, 205, 237)` looks like.

```
.text, #text, p{  
    color:rgb(107, 205, 237)  
}
```

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(107, 205, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 205, 237) }
```

Border

The CSS property to change the border of an element to Yxy 52.9029, 0.2345, 0.2873 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(107, 205, 237) }
```

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

```
.border{ border-color:rgb(107, 205, 237) }
```

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

Here you see how a box with a 4 pixel rgb(107, 205, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 205, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 205, 237);  
box-shadow:4px 4px 4px 4px rgb(107, 205,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9029, 0.2345, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 205, 237) }
```

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

```
.background{ background-color: rgb(107,  
205, 237) }
```

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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