

Converting Colors

$Y_{xy}(60.8559, 0.2250, 0.2901)$

Have a look what the booklet for
Yxy(60.8559, 0.2250, 0.2901)
contains.

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Color

Yxy(60.5802, 0.2250, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	53DDFC
RGB	83, 221, 252
RGB Percent	33%, 87%, 99%
CMY	0.6741, 0.1334, 0.0117
CMYK	0.67, 0.12, 0.00, 0.01
HSL	191°, 97%, 66%
HSV	191°, 67%, 99%
XYZ	47.0019, 60.5802, 101.3152
YIQ	183.2720, -92.1990, -19.6150

Conversions

Conversions Part 2

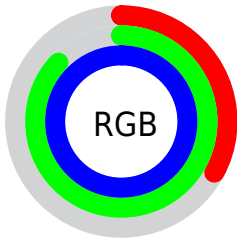
Format	Color
RYB	83, 159, 252
Decimal	5496316
CIELab	82.15, -27.68, -26.03
CIELCh	82, 37.993, 223.238
Yxy	60.5802, 0.2250, 0.2900
Android (android.graphics.Color)	4283686396 (0xFF53DDFC)
YUV	183.2720, 33.8829, -87.9385
Hunter-Lab	77.8333, -28.4159, -22.6942

Details

The Yxy color **60.5802, 0.2250, 0.2900** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **33.3862, 0.5119, 0.3580**, and the grayscale version is **47.3770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **31.2126, 0.2114, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **57.2252, 0.2176, 0.2833**, and if you desaturate by 10%, it is **64.4235, 0.2343, 0.2967**.

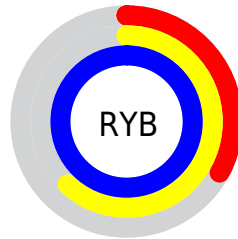
Distribution



Red (33%)

Green (87%)

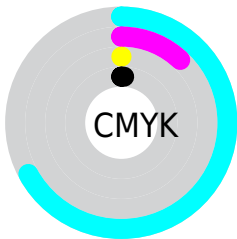
Blue (99%)



Red (33%)

Yellow (62%)

Blue (99%)

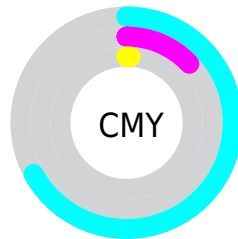


Cyan (67%)

Magenta (12%)

Yellow (0%)

Black (1%)



Cyan (67%)


Magenta (13%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5802, 0.2250, 0.2900 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 60.5802, 0.2250, 0.2900 by changing the saturation by 10% instead.


 60.5802, 0.2250,
0.2900


 60.5802, 0.2250,
0.2900


426.7331, 0.2652,
0.3097


 43.8865, 0.2160,
0.2851


 105.6709, 0.2388,
0.2971

 30.5813, 0.2050,
0.2790


 134.8366, 0.2442,
0.2998

 20.2802, 0.1914,
0.2709


 168.9284, 0.2489,
0.3021

 12.5989, 0.1740,
0.2601

 208.3307, 0.2530,
0.3041

 7.1529, 0.1514,
0.2447

253.4280, 0.2566,
0.3058

 3.5579, 0.1213,
0.2219

304.6045, 0.2598,

 1.4295, 0.0786,

0.3072

0.1862

362.2448, 0.2627,
0.3085

0.2383, 0.0000,
0.0850

0.0000, 0.0000,
0.0000

60.5802, 0.2250,
0.2900

60.5802, 0.2250,
0.2900

57.2252, 0.2176,
0.2833

64.4235, 0.2343,
0.2967

54.3037, 0.2122,
0.2766

68.7893, 0.2454,
0.3031

51.7568, 0.2086,
0.2699

73.7163, 0.2580,
0.3094

51.0422, 0.2078,
0.2680

79.2369, 0.2719,
0.3152

85.3812, 0.2866,
0.3207

92.1770, 0.3018,
0.3257

98.7829, 0.3145,
0.3303

99.8087, 0.3144,
0.3319

Harmonies

Analogous

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



60.5802, 0.2418, 0.3347



60.5802, 0.2250, 0.2900



60.5802, 0.2293, 0.2610

Triad

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



60.5802, 0.2250, 0.2900



60.5802, 0.3447, 0.2832



60.5802, 0.3701, 0.4145

Complementary

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



60.5802, 0.2250, 0.2900



33.3862, 0.5119, 0.3580

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.



60.5802, 0.4020, 0.3917



60.5802, 0.2250, 0.2900



60.5802, 0.3878, 0.3173

Square

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



60.5802, 0.2250, 0.2900



60.5802, 0.2951, 0.2596



60.5802, 0.4092, 0.3560



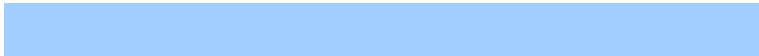
60.5802, 0.3243, 0.4127

Rectangle

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



60.5802, 0.2250, 0.2900



60.5802, 0.2435, 0.2524



60.5802, 0.4092, 0.3560



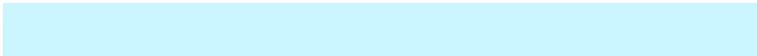
60.5802, 0.3829, 0.4091

Sweetspot

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



60.5824, 0.2250, 0.2900



85.7472, 0.2821, 0.3191



72.6855, 0.2920, 0.5122



17.9712, 0.2779, 0.3176



0.0000, 0.0000, 0.0000



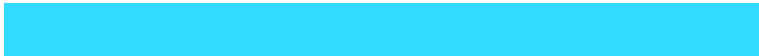
21.4041, 0.3127, 0.3290

Same Dimension

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



60.5824, 0.2250, 0.2900



57.8288, 0.2158, 0.2812



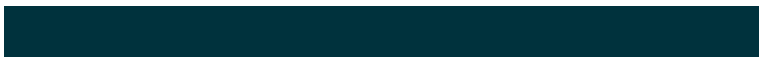
26.6499, 0.1972, 0.1749



19.0347, 0.2980, 0.3245



26.7889, 0.2081, 0.2691



2.6171, 0.2103, 0.2770

Inverse Universe

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



32.1208, 0.3518, 0.2007



28.6656, 0.3612, 0.1882



61.9509, 0.4403, 0.4398



17.4667, 0.3166, 0.3098



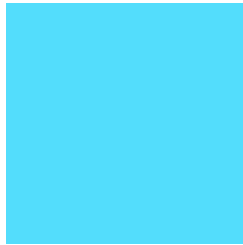
13.1153, 0.3737, 0.1832



1.2284, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 60.5802, 0.2250, 0.2900 looks on a white background.

Color Contrast Check

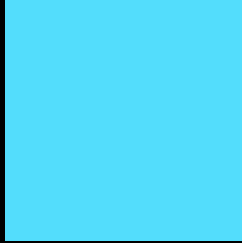
Large Text (above 18pt) WCAG AA × Fail

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 60.5802, 0.2250, 0.2900 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 60.5802, 0.2250, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 60.5802, 0.2250, 0.2900.



This preview shows how white text looks on a background with the Yxy color 60.5802, 0.2250, 0.2900.

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

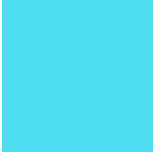
60.5802, 0.2250, 0.2900

Protanopia

59.5484, 0.2833, 0.2868

Deuteranopia

59.6689, 0.2728, 0.2669



Tritanopia

60.7040, 0.2283, 0.3057

Trichromacy



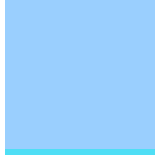
Original Color

60.5802, 0.2250, 0.2900



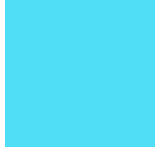
Protanomaly

58.4528, 0.2554, 0.2868



Deuteranomaly

58.6514, 0.2496, 0.2735



Tritanomaly

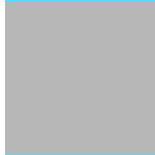
60.4974, 0.2269, 0.2995

Monochromacy



Original Color

60.5802, 0.2250, 0.2900



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.6896, 0.2691, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5802, 0.2250, 0.2900 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(83, 221, 252)` looks like.

```
.text, #text, p{  
    color:rgb(83, 221, 252)  
}
```

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(83, 221, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 221, 252) }
```

Border

The CSS property to change the border of an element to Yxy 60.5802, 0.2250, 0.2900 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(83, 221, 252) }
```

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

```
.border{ border-color:rgb(83, 221, 252) }
```

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

Here you see how a box with a 4 pixel rgb(83, 221, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 221, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 221, 252);  
box-shadow:4px 4px 4px 4px rgb(83, 221,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5802, 0.2250, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 221, 252) }
```

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

```
.background{ background-color: rgb(83, 221,  
252) }
```

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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