

Converting Colors

$Y_{xy}(52.0498, 0.2314, 0.2914)$

Have a look what the booklet for
Yxy(52.0498, 0.2314, 0.2914)
contains.

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Color

Yxy(51.9787, 0.2315, 0.2917)

Conversions

Conversions Part 1

Format	Color
Hex	5FCDE9
RGB	95, 205, 233
RGB Percent	37%, 80%, 91%
CMY	0.6279, 0.1960, 0.0862
CMYK	0.59, 0.12, 0.00, 0.09
HSL	192°, 76%, 64%
HSV	192°, 59%, 91%
XYZ	41.2515, 51.9787, 84.9621
YIQ	175.3020, -74.5480, -14.6120

Conversions

Conversions Part 2

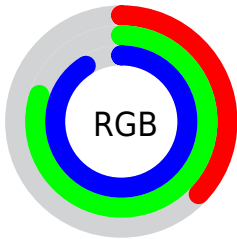
Format	Color
RYB	95, 156, 233
Decimal	6278633
CIELab	77.27, -23.46, -23.32
CIELCh	77, 33.076, 224.834
Yxy	51.9787, 0.2315, 0.2917
Android (android.graphics.Color)	4284468713 (0xFF5FCDE9)
YUV	175.3020, 28.4451, -70.4249
Hunter-Lab	72.0963, -24.0356, -19.4031

Details

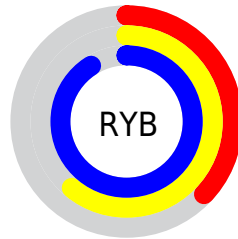
The Yxy color **51.9787, 0.2315, 0.2917** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **32.2906, 0.4759, 0.3595**, and the grayscale version is **42.9003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **25.3334, 0.2120, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **48.6891, 0.2223, 0.2843**, and if you desaturate by 10%, it is **55.7133, 0.2425, 0.2989**.

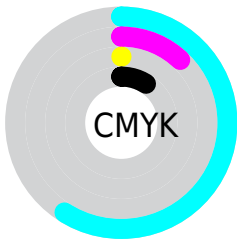
Distribution



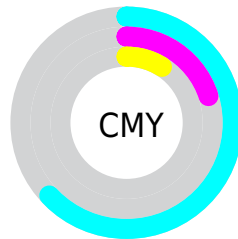
- Red (37%)
- Green (80%)
- Blue (91%)



- Red (37%)
- Yellow (61%)
- Blue (91%)



- Cyan (59%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)




- Cyan (63%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9787, 0.2315, 0.2917 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 51.9787, 0.2315, 0.2917 by changing the saturation by 10% instead.


 51.9787, 0.2315,
0.2917


 51.9787, 0.2315,
0.2917


 394.3544, 0.2700,
0.3109

 36.9881, 0.2226,
0.2868


 93.0998, 0.2450,
0.2987


 25.1983, 0.2116,
0.2806


 119.9991, 0.2502,
0.3014

 16.2248, 0.1976,
0.2723


 151.6368, 0.2546,
0.3036

 9.6834, 0.1794,
0.2608

 188.3972, 0.2585,
0.3055

 5.1895, 0.1550,
0.2441

 230.6648, 0.2619,
0.3071

 2.3589, 0.1213,
0.2180

 278.8239, 0.2649,

 0.8046, 0.0430,

0.3085

0.1799

333.2590, 0.2676,
0.3098

0.0000, 0.0000,
0.0000

51.9787, 0.2315,
0.2917

51.9787, 0.2315,
0.2917

48.6891, 0.2223,
0.2843

55.7133, 0.2425,
0.2989

45.8038, 0.2151,
0.2768

59.9179, 0.2549,
0.3059

43.2832, 0.2098,
0.2694


64.6222, 0.2686,
0.3124

41.0623, 0.2062,
0.2620


69.8514, 0.2832,
0.3186


40.9077, 0.2060,
0.2615

75.6291, 0.2984,
0.3242

 81.9771, 0.3138,
0.3294

 88.3420, 0.3272,
0.3340

 91.1304, 0.3268,
0.3386

 93.9916, 0.3263,
0.3432

Harmonies

Analogous

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



51.9787, 0.2462, 0.3321



51.9787, 0.2315, 0.2917



51.9787, 0.2365, 0.2656

Triad

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



51.9787, 0.2315, 0.2917



51.9787, 0.3445, 0.2882



51.9787, 0.3637, 0.4079

Complementary

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



51.9787, 0.2315, 0.2917



32.2906, 0.4759, 0.3595

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.



51.9787, 0.3937, 0.3885



51.9787, 0.2315, 0.2917



51.9787, 0.3831, 0.3204

Square

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



51.9787, 0.2315, 0.2917



51.9787, 0.2991, 0.2657



51.9787, 0.4014, 0.3562



51.9787, 0.3213, 0.4044

Rectangle

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



51.9787, 0.2315, 0.2917



51.9787, 0.2504, 0.2580



51.9787, 0.4014, 0.3562



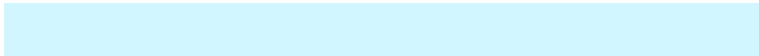
51.9787, 0.3756, 0.4035

Sweetspot

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



51.9806, 0.2315, 0.2917



86.5156, 0.2850, 0.3193



62.1331, 0.2919, 0.4849



18.0967, 0.2807, 0.3175



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.



51.9806, 0.2315, 0.2917



58.9692, 0.2207, 0.2828



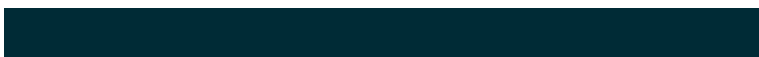
26.0123, 0.2095, 0.1928



16.5730, 0.2981, 0.3241



23.3891, 0.2063, 0.2627



1.9677, 0.2091, 0.2729

Inverse Universe

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



29.8998, 0.3490, 0.2142



31.2282, 0.3587, 0.1987



55.6659, 0.4227, 0.4323



15.2584, 0.3169, 0.3104



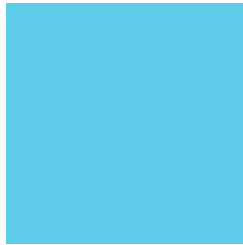
11.8540, 0.3798, 0.1866



0.9441, 0.3701, 0.1813

Previews

White Background



This preview shows how the Yxy color 51.9787, 0.2315, 0.2917 looks on a white background.

Color Contrast Check

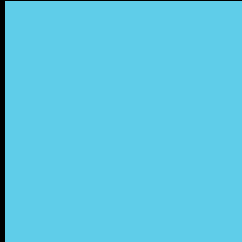
Large Text (above 18pt) WCAG AA × Fail

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 51.9787, 0.2315, 0.2917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

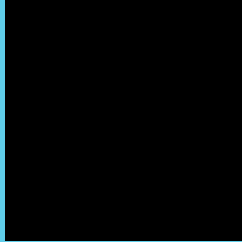
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9787, 0.2315, 0.2917

Background



This preview shows how black text looks on a background with the Yxy color 51.9787, 0.2315, 0.2917.

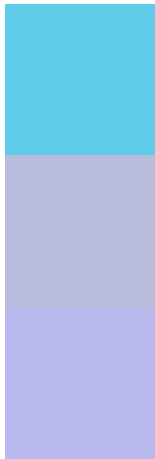


This preview shows how white text looks on a background with the Yxy color 51.9787, 0.2315, 0.2917.

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

51.9787, 0.2315, 0.2917

Protanopia

51.2542, 0.2849, 0.2888

Deuteranopia

51.4226, 0.2750, 0.2688



Tritanopia

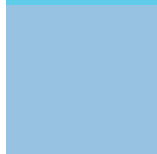
52.1775, 0.2351, 0.3071

Trichromacy



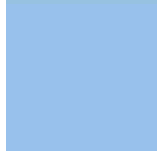
Original Color

51.9787, 0.2315, 0.2917



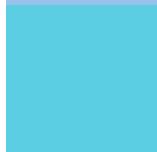
Protanomaly

50.5991, 0.2611, 0.2894



Deuteranomaly

50.8715, 0.2553, 0.2754



Tritanomaly

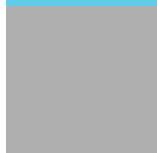
51.9640, 0.2334, 0.3006

Monochromacy



Original Color

51.9787, 0.2315, 0.2917



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.2143, 0.2745, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9787, 0.2315, 0.2917 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(95, 205, 233)` looks like.

```
.text, #text, p{  
    color:rgb(95, 205, 233)  
}
```

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(95, 205, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 205, 233) }
```

Border

The CSS property to change the border of an element to Yxy 51.9787, 0.2315, 0.2917 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(95, 205, 233) }
```

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

```
.border{ border-color:rgb(95, 205, 233) }
```

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

Here you see how a box with a 4 pixel rgb(95, 205, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 205, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 205, 233);  
box-shadow:4px 4px 4px 4px rgb(95, 205,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9787, 0.2315, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 205, 233) }
```

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

```
.background{ background-color: rgb(95, 205,  
233) }
```

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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