

Converting Colors

$Y_{xy}(56.6813, 0.2512, 0.3071)$

Have a look what the booklet for
Yxy(56.6813, 0.2512, 0.3071)
contains.

Yxy(56.3851, 0.2511, 0.3071)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.3851, 0.2511, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	82D2E3
RGB	130, 210, 227
RGB Percent	51%, 82%, 89%
CMY	0.4906, 0.1764, 0.1099
CMYK	0.43, 0.07, 0.00, 0.11
HSL	190°, 63%, 70%
HSV	190°, 43%, 89%
XYZ	46.1032, 56.3851, 81.1167
YIQ	188.0180, -53.1370, -11.6730

Conversions

Conversions Part 2

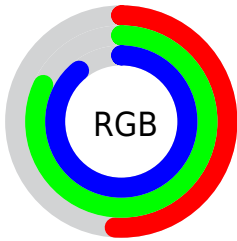
Format	Color
RYB	130, 174, 227
Decimal	8573667
CIELab	79.83, -20.21, -16.08
CIELCh	80, 25.829, 218.498
Yxy	56.3851, 0.2511, 0.3071
Android (android.graphics.Color)	4286763747 (0xFF82D2E3)
YUV	188.0180, 19.2181, -50.8818
Hunter-Lab	75.0900, -21.8134, -11.4856

Details

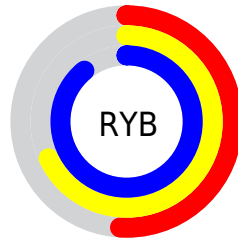
The Yxy color **56.3851, 0.2511, 0.3071** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7600, 0.4154, 0.3492**, and the grayscale version is **50.1989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **27.8377, 0.2356, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **52.8534, 0.2395, 0.3011**, and if you desaturate by 10%, it is **60.3655, 0.2641, 0.3128**.

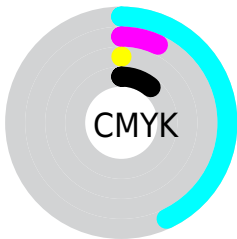
Distribution



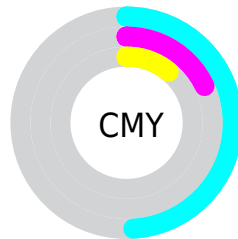
- Red (51%)
- Green (82%)
- Blue (89%)



- Red (51%)
- Yellow (68%)
- Blue (89%)



- Cyan (43%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (49%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3851, 0.2511, 0.3071 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 56.3851, 0.2511, 0.3071 by changing the saturation by 10% instead.


 56.3851, 0.2511,
0.3071

 56.3851, 0.2511,
0.3071


411.1412, 0.2802,
0.3183


 40.5118, 0.2443,
0.3043


 99.5674, 0.2613,
0.3112

 27.9378, 0.2359,
0.3006


 127.6452, 0.2653,
0.3128

 18.2788, 0.2252,
0.2957


 160.5599, 0.2686,
0.3140

 11.1503, 0.2111,
0.2889

198.6959, 0.2716,
0.3152

 6.1680, 0.1918,
0.2789

242.4377, 0.2741,
0.3161

 2.9475, 0.1641,
0.2629

292.1695, 0.2764,

 1.1044, 0.1157,

0.3169

0.2361

348.2759, 0.2784,
0.3177

0.0000, 0.0000,
0.0000

56.3851, 0.2511,
0.3071

56.3851, 0.2511,
0.3071

52.8534, 0.2395,
0.3011

60.3655, 0.2641,
0.3128

49.7371, 0.2295,
0.2949

64.8122, 0.2782,
0.3182

47.0086, 0.2214,
0.2886

69.7499, 0.2931,
0.3232

44.6334, 0.2152,
0.2822

75.1993, 0.3084,
0.3278

42.5702, 0.2109,
0.2759

81.1801, 0.3239,
0.3320

■ 41.2260, 0.2087,
0.2714

■ 85.5476, 0.3316,
0.3358

■ 87.8288, 0.3311,
0.3397

■ 90.1609, 0.3307,
0.3436

■ 92.5442, 0.3302,
0.3474

Harmonies

Analogous

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



56.3851, 0.2660, 0.3389



56.3851, 0.2511, 0.3071



56.3851, 0.2517, 0.2839

Triad

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



56.3851, 0.2511, 0.3071



56.3851, 0.3300, 0.2930



56.3851, 0.3580, 0.3873

Complementary

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



56.3851, 0.2511, 0.3071



38.7600, 0.4154, 0.3492

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.



56.3851, 0.3772, 0.3708



56.3851, 0.2511, 0.3071



56.3851, 0.3609, 0.3172

Square

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



56.3851, 0.2511, 0.3071



56.3851, 0.2956, 0.2774



56.3851, 0.3785, 0.3451



56.3851, 0.3271, 0.3876

Rectangle

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



56.3851, 0.2511, 0.3071



56.3851, 0.2606, 0.2756



56.3851, 0.3785, 0.3451



56.3851, 0.3661, 0.3833

Sweetspot

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



56.3873, 0.2511, 0.3071



90.6061, 0.2926, 0.3231



61.7463, 0.2978, 0.4394



19.0766, 0.2893, 0.3220



0.0000, 0.0000, 0.0000



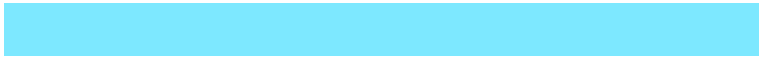
21.4041, 0.3127, 0.3290

Same Dimension

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



56.3873, 0.2511, 0.3071



69.4462, 0.2411, 0.3020



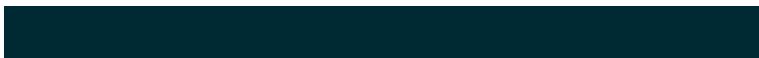
36.2136, 0.2401, 0.2414



15.8854, 0.2981, 0.3248



24.1995, 0.2090, 0.2724



1.9013, 0.2115, 0.2815

Inverse Universe

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



36.9194, 0.3338, 0.2403



41.7566, 0.3393, 0.2242



56.7987, 0.3908, 0.4026



14.5697, 0.3164, 0.3098



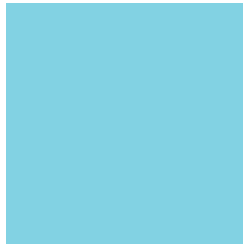
11.6407, 0.3706, 0.1815



0.8716, 0.3621, 0.1768

Previews

White Background



This preview shows how the Yxy color 56.3851, 0.2511, 0.3071 looks on a white background.

Color Contrast Check

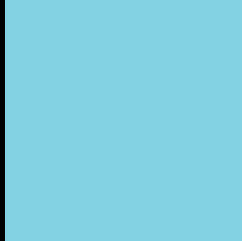
Large Text (above 18pt) WCAG AA × Fail

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 56.3851, 0.2511, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

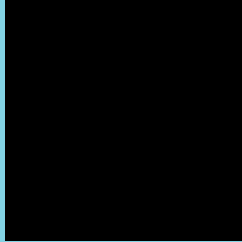
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3851, 0.2511, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 56.3851, 0.2511, 0.3071.

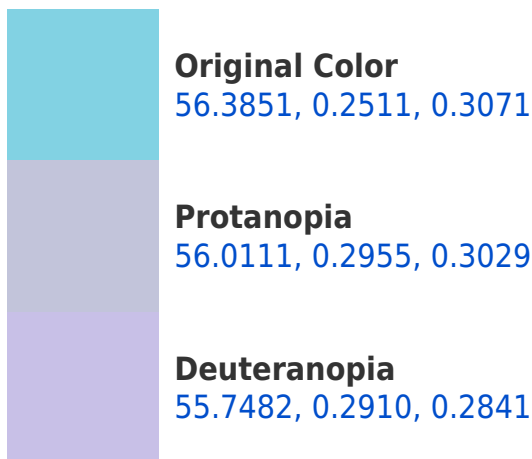


This preview shows how white text looks on a background with the Yxy color 56.3851, 0.2511, 0.3071.

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





Tritanopia

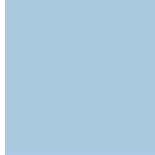
56.3851, 0.2511, 0.3071

Trichromacy



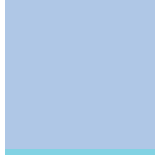
Original Color

56.3851, 0.2511, 0.3071



Protanomaly

55.6517, 0.2774, 0.3043



Deuteranomaly

55.6740, 0.2744, 0.2916



Tritanomaly

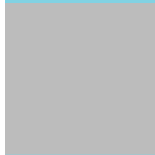
56.3851, 0.2511, 0.3071

Monochromacy



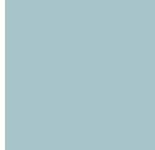
Original Color

56.3851, 0.2511, 0.3071



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

51.9596, 0.2865, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3851, 0.2511, 0.3071 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(130, 210, 227)` looks like.

```
.text, #text, p{  
    color:rgb(130, 210, 227)  
}
```

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(130, 210, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 210, 227) }
```

Border

The CSS property to change the border of an element to Yxy 56.3851, 0.2511, 0.3071 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(130, 210, 227) }
```

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

```
.border{ border-color:rgb(130, 210, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 210, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 210, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 210, 227);  
box-shadow:4px 4px 4px 4px rgb(130, 210,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3851, 0.2511, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 210, 227) }
```

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

```
.background{ background-color: rgb(130,  
210, 227) }
```

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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