

Converting Colors

$Y_{xy}(56.0843, 0.2527, 0.2962)$

Have a look what the booklet for
Yxy(56.0843, 0.2527, 0.2962)
contains.

Yxy(56.0843, 0.2527, 0.2962)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.0843, 0.2527, 0.2962)

Conversions

Conversions Part 1

Format	Color
Hex	8CCFE9
RGB	140, 207, 233
RGB Percent	55%, 81%, 91%
CMY	0.4507, 0.1883, 0.0862
CMYK	0.40, 0.11, 0.00, 0.09
HSL	197°, 68%, 73%
HSV	197°, 40%, 91%
XYZ	47.8477, 56.0843, 85.4140
YIQ	189.9310, -48.2780, -6.1180

Conversions

Conversions Part 2

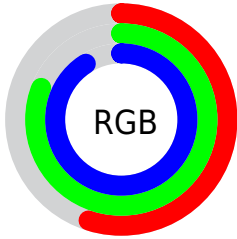
Format	Color
R_{YB}	140, 179, 233
Decimal	9228265
CIE _{Lab}	79.66, -14.58, -19.52
CIE _{LCh}	80, 24.366, 233.233
Yxy	56.0843, 0.2527, 0.2962
Android (android.graphics.Color)	4287418345 (0xFF8CCFE9)
YUV	189.9310, 21.2330, -43.7895
Hunter-Lab	74.8895, -17.0108, -15.1997

Details

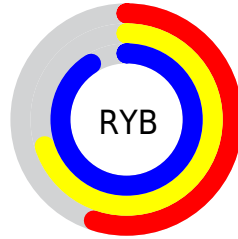
The Yxy color **56.0843, 0.2527, 0.2962** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5376, 0.4012, 0.3590**, and the grayscale version is **51.3575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **27.8416, 0.2380, 0.2883** is the 20% darker color. If you saturate the color by 10%, you get **51.1728, 0.2394, 0.2864**, and if you desaturate by 10%, it is **61.5596, 0.2670, 0.3055**.

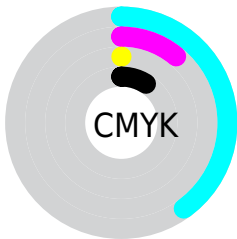
Distribution



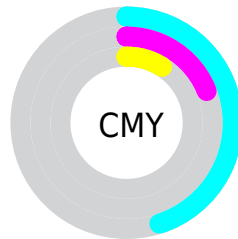
- Red (55%)
- Green (81%)
- Blue (91%)



- Red (55%)
- Yellow (70%)
- Blue (91%)



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (45%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0843, 0.2527, 0.2962 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 56.0843, 0.2527, 0.2962 by changing the saturation by 10% instead.

■ 56.0843, 0.2527,
0.2962

■ 56.0843, 0.2527,
0.2962

■ 410.0091, 0.2811,
0.3125

■ 40.2705, 0.2461,
0.2922

■ 99.1278, 0.2627,
0.3021

■ 27.7495, 0.2379,
0.2871

■ 127.1263, 0.2665,
0.3043

■ 18.1369, 0.2274,
0.2805

■ 159.9552, 0.2698,
0.3062

■ 11.0483, 0.2137,
0.2714

■ 197.9989, 0.2726,
0.3078

■ 6.0994, 0.1949,
0.2584

■ 241.6417, 0.2752,
0.3092

■ 2.9056, 0.1680,
0.2384

■ 291.2681, 0.2774,

■ 1.0826, 0.1253,

0.3105

0.2054

347.2624, 0.2793,
0.3115

0.0000, 0.0000,
0.0000

56.0843, 0.2527,
0.2962

56.0843, 0.2527,
0.2962

51.1728, 0.2394,
0.2864

61.5596, 0.2670,
0.3055

46.7898, 0.2275,
0.2761

67.6186, 0.2821,
0.3140

42.9055, 0.2173,
0.2656

74.2880, 0.2974,
0.3219

39.4834, 0.2090,
0.2549

81.5906, 0.3129,
0.3291

36.4805, 0.2028,
0.2443

89.2459, 0.3271,
0.3355

■ 33.8255, 0.1983,
0.2339

■ 93.1509, 0.3264,
0.3418

■ 33.7973, 0.1983,
0.2337

■ 97.1956, 0.3258,
0.3481

■ 98.6648, 0.3256,
0.3502

Harmonies

Analogous

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



56.0843, 0.2598, 0.3232



56.0843, 0.2527, 0.2962



56.0843, 0.2605, 0.2799

Triad

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



56.0843, 0.2527, 0.2962



56.0843, 0.3444, 0.3054



56.0843, 0.3421, 0.3863

Complementary

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



56.0843, 0.2527, 0.2962



46.5376, 0.4012, 0.3590

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.



56.0843, 0.3666, 0.3778



56.0843, 0.2527, 0.2962



56.0843, 0.3684, 0.3308

Square

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



56.0843, 0.2527, 0.2962



56.0843, 0.3123, 0.2860



56.0843, 0.3766, 0.3570



56.0843, 0.3105, 0.3778

Rectangle

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



56.0843, 0.2527, 0.2962



56.0843, 0.2734, 0.2763



56.0843, 0.3766, 0.3570



56.0843, 0.3515, 0.3852

Sweetspot

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



56.0865, 0.2527, 0.2962



89.3034, 0.2941, 0.3203



66.5869, 0.2936, 0.4181



18.8800, 0.2921, 0.3193



0.0000, 0.0000, 0.0000



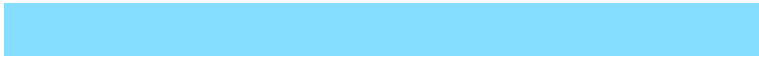
21.4041, 0.3127, 0.3290

Same Dimension

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



56.0865, 0.2527, 0.2962



63.7348, 0.2415, 0.2880



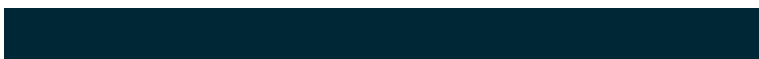
37.2239, 0.2433, 0.2357



16.3671, 0.2981, 0.3222



19.3919, 0.1987, 0.2354



1.6837, 0.2028, 0.2499

Inverse Universe

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



40.6104, 0.3415, 0.2556



43.1308, 0.3497, 0.2410



65.9808, 0.3810, 0.4072



15.2376, 0.3181, 0.3122



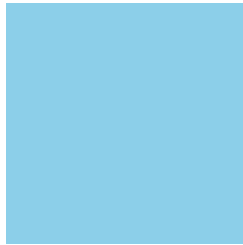
11.4504, 0.4070, 0.2016



0.9154, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 56.0843, 0.2527, 0.2962 looks on a white background.

Color Contrast Check

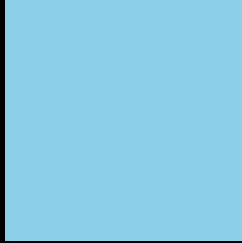
Large Text (above 18pt) WCAG AA × Fail

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 56.0843, 0.2527, 0.2962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

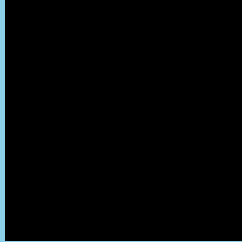
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0843, 0.2527, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 56.0843, 0.2527, 0.2962.



This preview shows how white text looks on a background with the Yxy color 56.0843, 0.2527, 0.2962.

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

56.0843, 0.2527, 0.2962

Protanopia

55.6729, 0.2893, 0.2936

Deuteranopia

55.4912, 0.2847, 0.2784



Tritanopia

55.9513, 0.2560, 0.3072

Trichromacy



Original Color

56.0843, 0.2527, 0.2962

Protanomaly

55.3325, 0.2743, 0.2938

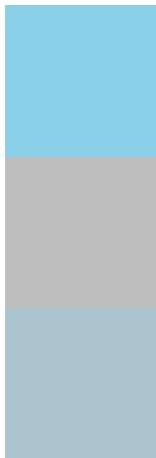
Deuteranomaly

55.1608, 0.2718, 0.2836

Tritanomaly

56.2022, 0.2549, 0.3035

Monochromacy



Original Color

56.0843, 0.2527, 0.2962

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.7067, 0.2874, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0843, 0.2527, 0.2962 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(140, 207, 233)` looks like.

```
.text, #text, p{  
    color:rgb(140, 207, 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(140, 207, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 207, 233) }
```

Border

The CSS property to change the border of an element to Yxy 56.0843, 0.2527, 0.2962 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(140, 207, 233) }
```

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

```
.border{ border-color:rgb(140, 207, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 207, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 207, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 207, 233); box-shadow:4px 4px 4px 4px rgb(140, 207, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0843, 0.2527, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 207, 233) }
```

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

```
.background{ background-color: rgb(140,  
207, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor