

Converting Colors

$Y_{xy}(53.6408, 0.2519, 0.2989)$

Have a look what the booklet for
Yxy(53.6408, 0.2519, 0.2989)
contains.

Yxy(53.8001, 0.2519, 0.2993)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.8001, 0.2519, 0.2993)

Conversions

Conversions Part 1

Format	Color
Hex	86CCE3
RGB	134, 204, 227
RGB Percent	53%, 80%, 89%
CMY	0.4748, 0.1999, 0.1098
CMYK	0.41, 0.10, 0.00, 0.11
HSL	195°, 62%, 71%
HSV	195°, 41%, 89%
XYZ	45.2798, 53.8001, 80.6732
YIQ	185.6920, -49.1030, -7.6870

Conversions

Conversions Part 2

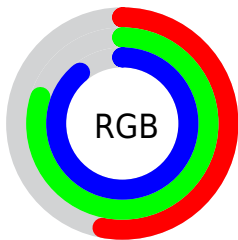
Format	Color
RYB	134, 174, 227
Decimal	8834275
CIELab	78.35, -16.16, -18.31
CIELCh	78, 24.420, 228.579
Yxy	53.8001, 0.2519, 0.2993
Android (android.graphics.Color)	4287024355 (0xFF86CCE3)
YUV	185.6920, 20.3648, -45.3339
Hunter-Lab	73.3486, -18.1677, -13.8668

Details

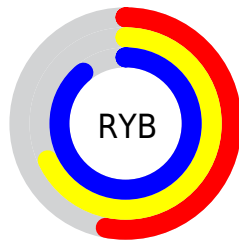
The Yxy color **53.8001, 0.2519, 0.2993** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1327, 0.4060, 0.3562**, and the grayscale version is **48.8179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **26.4110, 0.2365, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **49.5168, 0.2392, 0.2907**, and if you desaturate by 10%, it is **58.5837, 0.2658, 0.3074**.

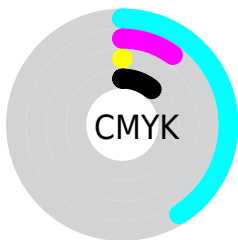
Distribution



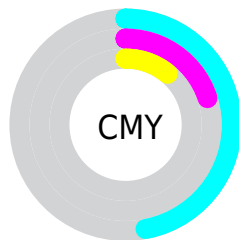
- Red (53%)
- Green (80%)
- Blue (89%)



- Red (53%)
- Yellow (68%)
- Blue (89%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8001, 0.2519, 0.2993 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 53.8001, 0.2519, 0.2993 by changing the saturation by 10% instead.

■ 53.8001, 0.2519,
0.2993

■ 53.8001, 0.2519,
0.2993

■ 401.3473, 0.2809,
0.3143

■ 38.4419, 0.2451,
0.2956

■ 95.7807, 0.2621,
0.3048

■ 26.3258, 0.2366,
0.2908

■ 123.1718, 0.2660,
0.3068

■ 17.0675, 0.2258,
0.2844

■ 155.3427, 0.2694,
0.3085

■ 10.2827, 0.2115,
0.2757

■ 192.6777, 0.2723,
0.3100

■ 5.5868, 0.1918,
0.2630

■ 235.5613, 0.2748,
0.3113

■ 2.5955, 0.1633,
0.2430

■ 284.3778, 0.2771,

■ 0.9244, 0.1102,

0.3124

0.2106

339.5117, 0.2791,
0.3134

0.0000, 0.0000,
0.0000

53.8001, 0.2519,
0.2993

53.8001, 0.2519,
0.2993

49.5168, 0.2392,
0.2907

58.5837, 0.2658,
0.3074

45.7008, 0.2279,
0.2817

63.8858, 0.2805,
0.3150

42.3241, 0.2184,
0.2725

69.7314, 0.2958,
0.3220

39.3527, 0.2108,
0.2633

76.1416, 0.3112,
0.3284

36.7460, 0.2052,
0.2541

83.1364, 0.3265,
0.3341

■ 34.6523, 0.2016,
0.2459

■ 87.7528, 0.3311,
0.3396

■ 91.0617, 0.3305,
0.3450

■ 94.4731, 0.3298,
0.3504

■ 97.9879, 0.3292,
0.3557

Harmonies

Analogous

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



53.8001, 0.2614, 0.3279



53.8001, 0.2519, 0.2993



53.8001, 0.2575, 0.2808

Triad

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



53.8001, 0.2519, 0.2993



53.8001, 0.3402, 0.3015



53.8001, 0.3471, 0.3870

Complementary

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



53.8001, 0.2519, 0.2993



42.1327, 0.4060, 0.3562

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.



53.8001, 0.3702, 0.3759



53.8001, 0.2519, 0.2993



53.8001, 0.3665, 0.3266

Square

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



53.8001, 0.2519, 0.2993



53.8001, 0.3072, 0.2832



53.8001, 0.3776, 0.3534



53.8001, 0.3155, 0.3812

Rectangle

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



53.8001, 0.2519, 0.2993



53.8001, 0.2693, 0.2758



53.8001, 0.3776, 0.3534



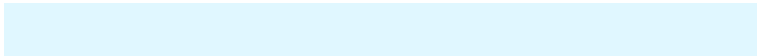
53.8001, 0.3562, 0.3850

Sweetspot

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



53.8022, 0.2519, 0.2993



89.9245, 0.2941, 0.3213



62.3903, 0.2949, 0.4253



19.0267, 0.2921, 0.3204



0.0000, 0.0000, 0.0000



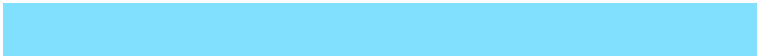
21.4041, 0.3127, 0.3290

Same Dimension

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



53.8022, 0.2519, 0.2993



65.3589, 0.2412, 0.2922



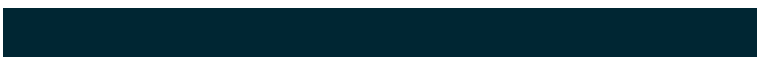
35.3156, 0.2420, 0.2371



15.7018, 0.2981, 0.3231



20.4013, 0.2020, 0.2472



1.6513, 0.2057, 0.2606

Inverse Universe

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



37.7200, 0.3394, 0.2506



42.6282, 0.3467, 0.2357



60.3769, 0.3843, 0.4061



14.5512, 0.3175, 0.3115



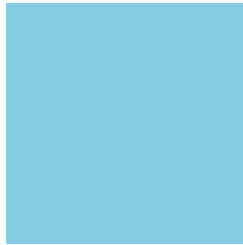
11.2572, 0.3950, 0.1950



0.8464, 0.3818, 0.1877

Previews

White Background



This preview shows how the Yxy color 53.8001, 0.2519, 0.2993 looks on a white background.

Color Contrast Check

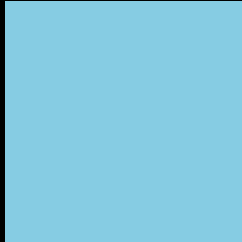
Large Text (above 18pt) WCAG AA × Fail

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 53.8001, 0.2519, 0.2993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

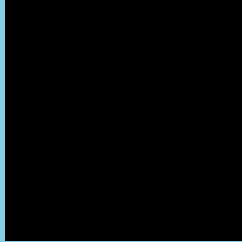
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.8001, 0.2519, 0.2993

Background



This preview shows how black text looks on a background with the Yxy color 53.8001, 0.2519, 0.2993.



This preview shows how white text looks on a background with the Yxy color 53.8001, 0.2519, 0.2993.

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

53.8001, 0.2519, 0.2993

Protanopia

53.1949, 0.2909, 0.2953

Deuteranopia

53.4458, 0.2864, 0.2810



Tritanopia

53.7886, 0.2542, 0.3080

Trichromacy



Original Color

53.8001, 0.2519, 0.2993

Protanomaly

53.1888, 0.2750, 0.2967

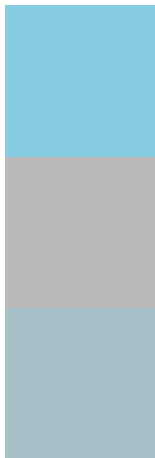
Deuteranomaly

53.0114, 0.2725, 0.2863

Tritanomaly

53.9769, 0.2537, 0.3055

Monochromacy



Original Color

53.8001, 0.2519, 0.2993

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.5725, 0.2869, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8001, 0.2519, 0.2993 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(134, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(134, 204, 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(134, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 204, 227) }
```

Border

The CSS property to change the border of an element to Yxy 53.8001, 0.2519, 0.2993 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(134, 204, 227) }
```

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

```
.border{ border-color:rgb(134, 204, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 204, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 204, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 204, 227); box-shadow:4px 4px 4px 4px rgb(134, 204, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8001, 0.2519, 0.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 204, 227) }
```

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

```
.background{ background-color: rgb(134,  
204, 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](#).

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