

Converting Colors

$Y_{xy}(53.3766, 0.2524, 0.2950)$

Have a look what the booklet for
Yxy(53.3766, 0.2524, 0.2950)
contains.

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Color

Yxy(53.2166, 0.2521, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	89CAE5
RGB	137, 202, 229
RGB Percent	54%, 79%, 90%
CMY	0.4627, 0.2079, 0.1018
CMYK	0.40, 0.12, 0.00, 0.10
HSL	198°, 64%, 72%
HSV	198°, 40%, 90%
XYZ	45.5858, 53.2166, 82.0219
YIQ	185.6430, -47.4070, -5.3830

Conversions

Conversions Part 2

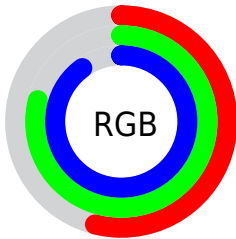
Format	Color
R _Y B	137, 175, 229
Decimal	9030373
CIE Lab	78.00, -13.80, -19.90
CIE LCh	78, 24.222, 235.262
Yxy	53.2166, 0.2521, 0.2943
Android (android.graphics.Color)	4287220453 (0xFF89CAE5)
YUV	185.6430, 21.3750, -42.6599
Hunter-Lab	72.9497, -16.1185, -15.5987

Details

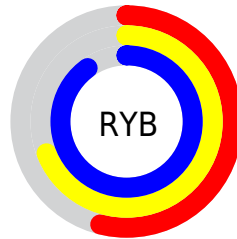
The Yxy color **53.2166, 0.2521, 0.2943** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.0428, 0.4013, 0.3606**, and the grayscale version is **48.7953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **25.9908, 0.2375, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **48.3941, 0.2387, 0.2840**, and if you desaturate by 10%, it is **58.5918, 0.2665, 0.3040**.

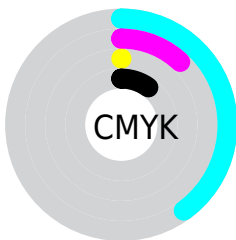
Distribution



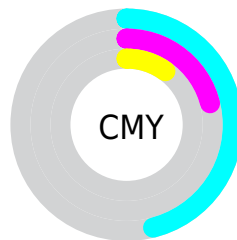
- Red (54%)
- Green (79%)
- Blue (90%)



- Red (54%)
- Yellow (69%)
- Blue (90%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)



- Cyan (46%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2166, 0.2521, 0.2943 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 53.2166, 0.2521, 0.2943 by changing the saturation by 10% instead.

■ 53.2166, 0.2521,
0.2943

■ 53.2166, 0.2521,
0.2943

■ 399.1156, 0.2810,
0.3117

■ 37.9757, 0.2453,
0.2900

■ 94.9230, 0.2623,
0.3006

■ 25.9638, 0.2368,
0.2845

■ 122.1573, 0.2662,
0.3030

■ 16.7966, 0.2260,
0.2774

■ 154.1582, 0.2696,
0.3050

■ 10.0896, 0.2117,
0.2675

■ 191.3101, 0.2725,
0.3067

■ 5.4584, 0.1919,
0.2533

■ 233.9974, 0.2750,
0.3082

■ 2.5186, 0.1634,
0.2313

■ 282.6045, 0.2773,

■ 0.8859, 0.1116,

0.3095

0.1958

337.5158, 0.2792,
0.3106

0.0000, 0.0000,
0.0000

53.2166, 0.2521,
0.2943

53.2166, 0.2521,
0.2943

48.3941, 0.2387,
0.2840

58.5918, 0.2665,
0.3040

44.0901, 0.2266,
0.2732

64.5392, 0.2816,
0.3131

40.2757, 0.2163,
0.2621

71.0845, 0.2970,
0.3214

36.9157, 0.2079,
0.2508

78.2500, 0.3124,
0.3289

33.9684, 0.2015,
0.2397

86.0565, 0.3277,
0.3356

■ 31.4055, 0.1969,
0.2289

■ 90.6482, 0.3293,
0.3421

■ 94.7369, 0.3286,
0.3486

■ 98.4390, 0.3279,
0.3542

Harmonies

Analogous

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



53.2166, 0.2582, 0.3210



53.2166, 0.2521, 0.2943



53.2166, 0.2610, 0.2787

Triad

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



53.2166, 0.2521, 0.2943



53.2166, 0.3468, 0.3067



53.2166, 0.3404, 0.3870

Complementary

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



53.2166, 0.2521, 0.2943



45.0428, 0.4013, 0.3606

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.



53.2166, 0.3660, 0.3794



53.2166, 0.2521, 0.2943



53.2166, 0.3702, 0.3326

Square

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



53.2166, 0.2521, 0.2943



53.2166, 0.3146, 0.2866



53.2166, 0.3772, 0.3590



53.2166, 0.3083, 0.3772

Rectangle

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



53.2166, 0.2521, 0.2943



53.2166, 0.2746, 0.2757



53.2166, 0.3772, 0.3590



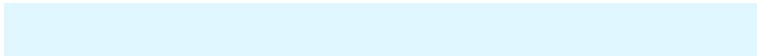
53.2166, 0.3501, 0.3863

Sweetspot

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



53.2187, 0.2521, 0.2943



89.0478, 0.2941, 0.3199



64.0254, 0.2926, 0.4166



18.8197, 0.2921, 0.3188



0.0000, 0.0000, 0.0000



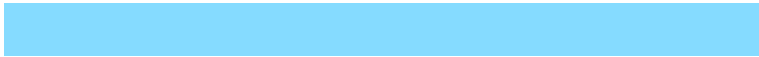
21.4041, 0.3127, 0.3290

Same Dimension

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



53.2187, 0.2521, 0.2943



62.8542, 0.2411, 0.2860



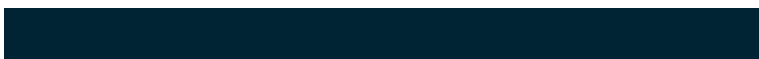
35.0791, 0.2425, 0.2329



15.5835, 0.2981, 0.3219



18.1684, 0.1974, 0.2306



1.5016, 0.2019, 0.2467

Inverse Universe

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



38.8254, 0.3430, 0.2565



43.0419, 0.3514, 0.2425



64.1195, 0.3808, 0.4092



14.5393, 0.3183, 0.3125



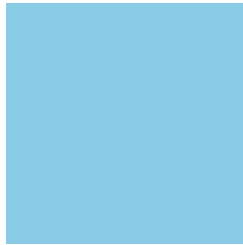
11.0318, 0.4120, 0.2043



0.8313, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 53.2166, 0.2521, 0.2943 looks on a white background.

Color Contrast Check

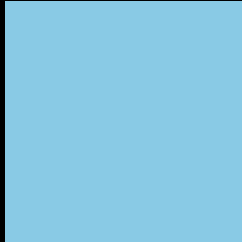
Large Text (above 18pt) WCAG AA × Fail

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 53.2166, 0.2521, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

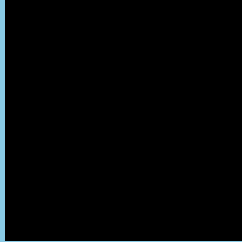
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.2166, 0.2521, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 53.2166, 0.2521, 0.2943.



This preview shows how white text looks on a background with the Yxy color 53.2166, 0.2521, 0.2943.

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

53.2166, 0.2521, 0.2943

Protanopia

53.0469, 0.2881, 0.2929

Deuteranopia

52.8690, 0.2835, 0.2774



Tritanopia

53.5039, 0.2562, 0.3080

Trichromacy



Original Color

53.2166, 0.2521, 0.2943

Protanomaly

52.8470, 0.2736, 0.2931

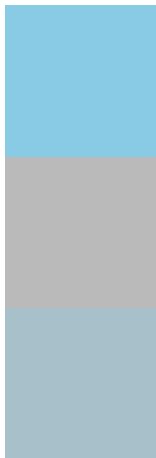
Deuteranomaly

52.5674, 0.2704, 0.2827

Tritanomaly

53.2738, 0.2549, 0.3030

Monochromacy



Original Color

53.2166, 0.2521, 0.2943

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.2884, 0.2869, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2166, 0.2521, 0.2943 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(137, 202, 229)` looks like.

```
.text, #text, p{  
    color:rgb(137, 202, 229)  
}
```

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(137, 202, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 202, 229) }
```

Border

The CSS property to change the border of an element to Yxy 53.2166, 0.2521, 0.2943 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(137, 202, 229) }
```

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

```
.border{ border-color:rgb(137, 202, 229) }
```

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

Here you see how a box with a 4 pixel rgb(137, 202, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 202, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 202, 229);  
box-shadow:4px 4px 4px 4px rgb(137, 202,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2166, 0.2521, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 202, 229) }
```

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

```
.background{ background-color: rgb(137,  
202, 229) }
```

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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