

Converting Colors

$Yxy(53.4486, 0.2511, 0.3066)$

Have a look what the booklet for
Yxy(53.4486, 0.2511, 0.3066)
contains.

Yxy(53.4486, 0.2511, 0.3066)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.4486, 0.2511, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	7FCDDE
RGB	127, 205, 222
RGB Percent	50%, 80%, 87%
CMY	0.5017, 0.1961, 0.1295
CMYK	0.43, 0.08, 0.00, 0.13
HSL	191°, 59%, 68%
HSV	191°, 43%, 87%
XYZ	43.7735, 53.4486, 77.1047
YIQ	183.6160, -51.9450, -11.2490

Conversions

Conversions Part 2

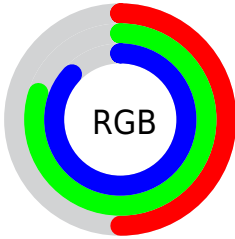
Format	Color
R _Y B	127, 170, 222
Decimal	8375774
CIE Lab	78.14, -19.65, -15.96
CIE LCh	78, 25.312, 219.084
Yxy	53.4486, 0.2511, 0.3066
Android (android.graphics.Color)	4286565854 (0xFF7FCDDE)
YUV	183.6160, 18.9233, -49.6522
Hunter-Lab	73.1085, -21.0638, -11.3549

Details

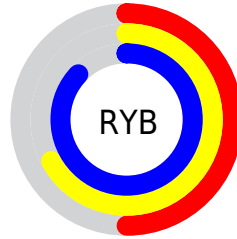
The Yxy color **53.4486, 0.2511, 0.3066** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.0240, 0.4149, 0.3496**, and the grayscale version is **47.6335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **26.2253, 0.2355, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **50.0521, 0.2394, 0.3004**, and if you desaturate by 10%, it is **57.2730, 0.2642, 0.3125**.

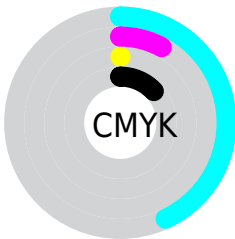
Distribution



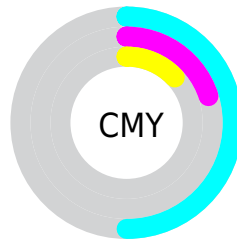
- Red (50%)
- Green (80%)
- Blue (87%)



- Red (50%)
- Yellow (67%)
- Blue (87%)



- Cyan (43%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4486, 0.2511, 0.3066 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 53.4486, 0.2511, 0.3066 by changing the saturation by 10% instead.

■ 53.4486, 0.2511,
0.3066

■ 53.4486, 0.2511,
0.3066

400.0038, 0.2805,
0.3182

■ 38.1610, 0.2442,
0.3036

■ 95.2642, 0.2615,
0.3109

■ 26.1077, 0.2356,
0.2998

■ 122.5609, 0.2654,
0.3124

■ 16.9042, 0.2245,
0.2947

■ 154.6295, 0.2689,
0.3138

■ 10.1662, 0.2099,
0.2875

191.8543, 0.2718,
0.3149

■ 5.5093, 0.1897,
0.2768

234.6198, 0.2744,
0.3159

■ 2.5491, 0.1604,
0.2594

283.3102, 0.2767,

■ 0.9011, 0.0972,

0.3167

0.2325

338.3101, 0.2787,
0.3175

0.0000, 0.0000,
0.0000

53.4486, 0.2511,
0.3066

53.4486, 0.2511,
0.3066

50.0521, 0.2394,
0.3004

57.2730, 0.2642,
0.3125

47.0520, 0.2294,
0.2941

61.5422, 0.2783,
0.3180

44.4221, 0.2212,
0.2876

66.2794, 0.2931,
0.3231

42.1300, 0.2149,
0.2811

71.5043, 0.3085,
0.3278

40.1363, 0.2106,
0.2747

77.2355, 0.3239,
0.3320

■ 38.8329, 0.2084,
0.2700

■ 82.4800, 0.3356,
0.3359

■ 84.7018, 0.3350,
0.3398

■ 86.9743, 0.3345,
0.3437

■ 89.2978, 0.3340,
0.3476

Harmonies

Analogous

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



53.4486, 0.2656, 0.3382



53.4486, 0.2511, 0.3066



53.4486, 0.2520, 0.2836

Triad

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



53.4486, 0.2511, 0.3066



53.4486, 0.3306, 0.2935



53.4486, 0.3573, 0.3873

Complementary

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



53.4486, 0.2511, 0.3066



37.0240, 0.4149, 0.3496

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.



53.4486, 0.3769, 0.3711



53.4486, 0.2511, 0.3066



53.4486, 0.3613, 0.3177

Square

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



53.4486, 0.2511, 0.3066



53.4486, 0.2963, 0.2777



53.4486, 0.3785, 0.3456



53.4486, 0.3264, 0.3873

Rectangle

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



53.4486, 0.2511, 0.3066



53.4486, 0.2611, 0.2755



53.4486, 0.3785, 0.3456



53.4486, 0.3655, 0.3834

Sweetspot

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



53.4507, 0.2511, 0.3066



90.5186, 0.2926, 0.3229



58.7309, 0.2978, 0.4392



19.0548, 0.2893, 0.3218



0.0000, 0.0000, 0.0000



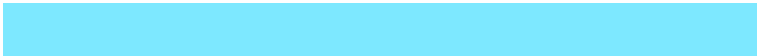
21.4041, 0.3127, 0.3290

Same Dimension

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



53.4507, 0.2511, 0.3066



69.1339, 0.2409, 0.3013



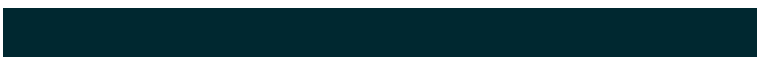
34.4850, 0.2403, 0.2416



15.1332, 0.2982, 0.3247



23.2183, 0.2086, 0.2710



1.7198, 0.2114, 0.2809

Inverse Universe

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



35.1303, 0.3342, 0.2409



41.7251, 0.3398, 0.2247



54.0375, 0.3906, 0.4025



13.8913, 0.3165, 0.3100



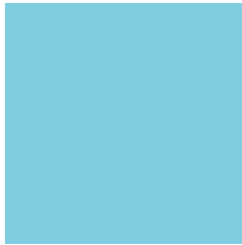
11.2519, 0.3719, 0.1822



0.7911, 0.3627, 0.1771

Previews

White Background



This preview shows how the Yxy color 53.4486, 0.2511, 0.3066 looks on a white background.

Color Contrast Check

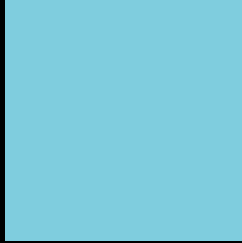
Large Text (above 18pt) WCAG AA × Fail

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 53.4486, 0.2511, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

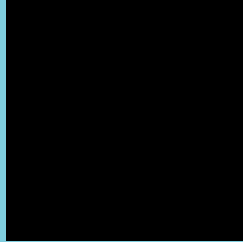
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.4486, 0.2511, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 53.4486, 0.2511, 0.3066.



This preview shows how white text looks on a background with the Yxy color 53.4486, 0.2511, 0.3066.

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

53.4486, 0.2511, 0.3066

Protanopia

53.0128, 0.2959, 0.3023

Deuteranopia

53.0595, 0.2905, 0.2843



Tritanopia

53.4486, 0.2511, 0.3066

Trichromacy



Original Color

53.4486, 0.2511, 0.3066

Protanomaly

52.6532, 0.2774, 0.3038

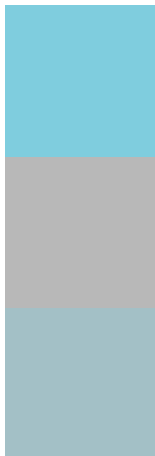
Deuteranomaly

52.5659, 0.2736, 0.2907

Tritanomaly

53.4486, 0.2511, 0.3066

Monochromacy



Original Color

53.4486, 0.2511, 0.3066

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.5630, 0.2860, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4486, 0.2511, 0.3066 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(127, 205, 222)` looks like.

```
.text, #text, p{  
    color:rgb(127, 205, 222)  
}
```

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(127, 205, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 205, 222) }
```

Border

The CSS property to change the border of an element to Yxy 53.4486, 0.2511, 0.3066 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(127, 205, 222) }
```

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

```
.border{ border-color:rgb(127, 205, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 205, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 205, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 205, 222);  
box-shadow:4px 4px 4px 4px rgb(127, 205,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4486, 0.2511, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 205, 222) }
```

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

```
.background{ background-color: rgb(127,  
205, 222) }
```

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