

Converting Colors

$Yxy(54.9284, 0.2305, 0.3056)$

Have a look what the booklet for
Yxy(54.9284, 0.2305, 0.3056)
contains.

Yxy(55.0510, 0.2306, 0.3061)	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(55.0510, 0.2306, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	51D5E6
RGB	81, 213, 230
RGB Percent	32%, 84%, 90%
CMY	0.6824, 0.1647, 0.0979
CMYK	0.65, 0.07, 0.00, 0.10
HSL	187°, 75%, 61%
HSV	187°, 65%, 90%
XYZ	41.4726, 55.0510, 83.3229
YIQ	175.4700, -84.1290, -22.6970

Conversions

Conversions Part 2

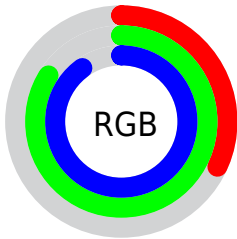
Format	Color
R_{YB}	81, 151, 230
Decimal	5363174
CIE _{Lab}	79.07, -30.55, -19.02
CIE _{LCh}	79, 35.987, 211.907
Yxy	55.0510, 0.2306, 0.3061
Android (android.graphics.Color)	4283553254 (0xFF51D5E6)
YUV	175.4700, 26.8833, -82.8502
Hunter-Lab	74.1964, -30.0698, -14.6455

Details

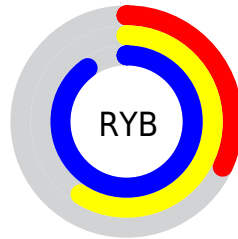
The Yxy color **55.0510, 0.2306, 0.3061** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.1608, 0.5102, 0.3467**, and the grayscale version is **43.0173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **27.5097, 0.2167, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **52.8918, 0.2237, 0.3021**, and if you desaturate by 10%, it is **57.5797, 0.2394, 0.3101**.

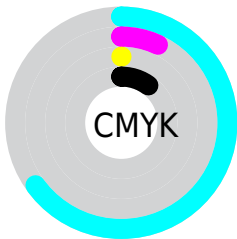
Distribution



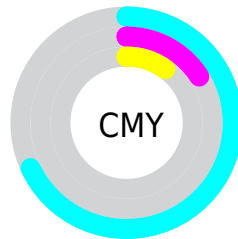
- Red (32%)
- Green (84%)
- Blue (90%)



- Red (32%)
- Yellow (59%)
- Blue (90%)



- Cyan (65%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)





- Cyan (68%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.0510, 0.2306, 0.3061 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 55.0510, 0.2306, 0.3061 by changing the saturation by 10% instead.


 55.0510, 0.2306,
0.3061

 55.0510, 0.2306,
0.3061


406.1052, 0.2692,
0.3184

 39.4426, 0.2217,
0.3029


 97.6157, 0.2440,
0.3107


 27.1042, 0.2108,
0.2986

 125.3407, 0.2493,
0.3124

 17.6515, 0.1970,
0.2929


 157.8734, 0.2537,
0.3138

 10.7001, 0.1790,
0.2848

 195.5981, 0.2576,
0.3150

 5.8655, 0.1551,
0.2726

238.8992, 0.2611,
0.3160

 2.7635, 0.1220,
0.2528

288.1612, 0.2641,

 1.0095, 0.0464,

0.3169

0.2243

343.7684, 0.2668,
0.3177

■ 0.0000, 0.0000,
0.0000

■ 55.0510, 0.2306,
0.3061

■ 55.0510, 0.2306,
0.3061

■ 52.8918, 0.2237,
0.3021

■ 57.5797, 0.2394,
0.3101

■ 51.0596, 0.2188,
0.2981

■ 60.5032, 0.2500,
0.3140

■ 49.5117, 0.2156,
0.2941


■ 63.8515, 0.2622,
0.3177


■ 48.7809, 0.2145,
0.2921

■ 67.6498, 0.2757,
0.3213

■ 71.9213, 0.2901,
0.3246

 76.6877, 0.3053,
0.3276

 81.9690, 0.3209,
0.3304

 85.8350, 0.3296,
0.3330

 87.3428, 0.3293,
0.3356

Harmonies

Analogous

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



55.0510, 0.2546, 0.3528



55.0510, 0.2306, 0.3061



55.0510, 0.2270, 0.2711

Triad

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



55.0510, 0.2306, 0.3061



55.0510, 0.3256, 0.2739



55.0510, 0.3830, 0.4065

Complementary

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



55.0510, 0.2306, 0.3061



26.1608, 0.5102, 0.3467

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.



55.0510, 0.4059, 0.3782



55.0510, 0.2306, 0.3061



55.0510, 0.3720, 0.3041

Square

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



55.0510, 0.2306, 0.3061



55.0510, 0.2787, 0.2559



55.0510, 0.4023, 0.3411



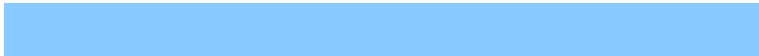
55.0510, 0.3419, 0.4148

Rectangle

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



55.0510, 0.2306, 0.3061



55.0510, 0.2360, 0.2577



55.0510, 0.4023, 0.3411



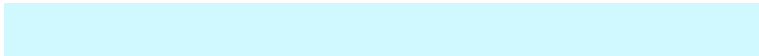
55.0510, 0.3932, 0.3987

Sweetspot

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



55.0530, 0.2306, 0.3061



88.4597, 0.2838, 0.3232



59.2011, 0.2973, 0.5207



18.6046, 0.2796, 0.3222



0.0000, 0.0000, 0.0000



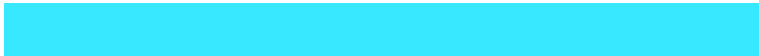
21.4041, 0.3127, 0.3290

Same Dimension

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



55.0530, 0.2306, 0.3061



65.9324, 0.2217, 0.3006



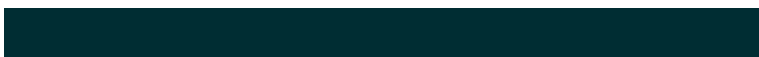
26.3980, 0.2055, 0.1998



16.0404, 0.2982, 0.3262



27.7246, 0.2146, 0.2927



2.1290, 0.2162, 0.2985

Inverse Universe

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



27.5157, 0.3379, 0.1953



29.9400, 0.3439, 0.1798



46.3267, 0.4454, 0.4247



14.5854, 0.3155, 0.3084



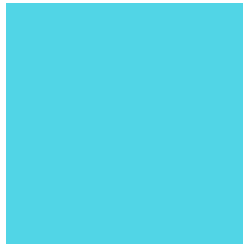
11.9965, 0.3519, 0.1712



0.8946, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 55.0510, 0.2306, 0.3061 looks on a white background.

Color Contrast Check

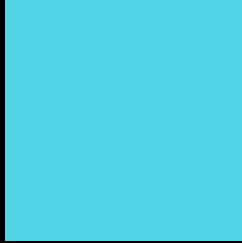
Large Text (above 18pt) WCAG AA × Fail

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 55.0510, 0.2306, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

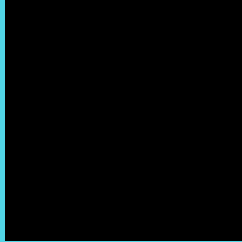
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.0510, 0.2306, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 55.0510, 0.2306, 0.3061.



This preview shows how white text looks on a background with the Yxy color 55.0510, 0.2306, 0.3061.

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

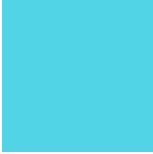
55.0510, 0.2306, 0.3061

Protanopia

54.2260, 0.2939, 0.3002

Deuteranopia

54.1625, 0.2831, 0.2768



Tritanopia

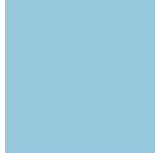
55.0510, 0.2306, 0.3061

Trichromacy



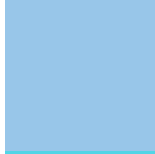
Original Color

55.0510, 0.2306, 0.3061



Protanomaly

53.1618, 0.2638, 0.3009



Deuteranomaly

52.9468, 0.2578, 0.2853



Tritanomaly

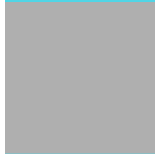
55.0510, 0.2306, 0.3061

Monochromacy



Original Color

55.0510, 0.2306, 0.3061



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.9980, 0.2720, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0510, 0.2306, 0.3061 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(81, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(81, 213, 230)  
}
```

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(81, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 213, 230) }
```

Border

The CSS property to change the border of an element to Yxy 55.0510, 0.2306, 0.3061 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(81, 213, 230) }
```

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

```
.border{ border-color:rgb(81, 213, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(81, 213,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0510, 0.2306, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 213, 230) }
```

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

```
.background{ background-color: rgb(81, 213,  
230) }
```

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