

Converting Colors

$Y_{xy}(53.7003, 0.2510, 0.3155)$

Have a look what the booklet for
Yxy(53.7003, 0.2510, 0.3155)
contains.

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Color

Yxy(53.7003, 0.2510, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	79CFD9
RGB	121, 207, 217
RGB Percent	47%, 81%, 85%
CMY	0.5256, 0.1882, 0.1489
CMYK	0.44, 0.05, 0.00, 0.15
HSL	186°, 56%, 66%
HSV	186°, 44%, 85%
XYZ	42.7220, 53.7003, 73.7847
YIQ	182.4260, -54.4660, -15.1220

Conversions

Conversions Part 2

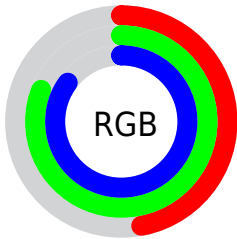
Format	Color
RYB	121, 166, 217
Decimal	7983065
CIELab	78.29, -23.40, -13.11
CIElCh	78, 26.821, 209.255
Yxy	53.7003, 0.2510, 0.3155
Android (android.graphics.Color)	4286173145 (0xFF79CFD9)
YUV	182.4260, 17.0450, -53.8706
Hunter-Lab	73.2805, -24.1768, -8.4016

Details

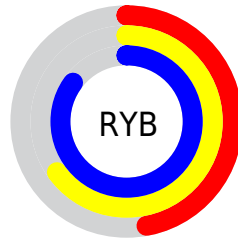
The Yxy color **53.7003, 0.2510, 0.3155** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3688, 0.4241, 0.3416**, and the grayscale version is **46.9483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **26.1219, 0.2354, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **51.2169, 0.2404, 0.3120**, and if you desaturate by 10%, it is **56.5563, 0.2631, 0.3189**.

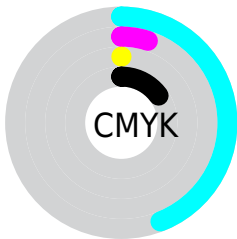
Distribution



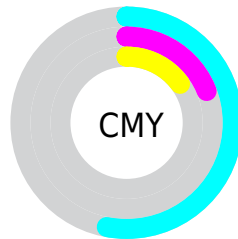
- Red (47%)
- Green (81%)
- Blue (85%)



- Red (47%)
- Yellow (65%)
- Blue (85%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7003, 0.2510, 0.3155 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 53.7003, 0.2510, 0.3155 by changing the saturation by 10% instead.


 53.7003, 0.2510,
0.3155


 53.7003, 0.2510,
0.3155


400.9661, 0.2805,
0.3228


 38.3621, 0.2441,
0.3136


 95.6341, 0.2614,
0.3182

 26.2639, 0.2354,
0.3110

 122.9984, 0.2654,
0.3192

 17.0211, 0.2243,
0.3075


 155.1403, 0.2688,
0.3201

 10.2496, 0.2096,
0.3025

192.4441, 0.2718,
0.3208

 5.5647, 0.1892,
0.2947

235.2941, 0.2743,
0.3214

 2.5823, 0.1595,
0.2815

284.0749, 0.2766,

 0.9178, 0.0864,

0.3219

0.2637

339.1708, 0.2787,
0.3224

0.0000, 0.0000,
0.0000

53.7003, 0.2510,
0.3155

53.7003, 0.2510,
0.3155

51.2169, 0.2404,
0.3120

56.5563, 0.2631,
0.3189

49.0758, 0.2317,
0.3084

59.8004, 0.2766,
0.3221

47.2522, 0.2248,
0.3047

63.4548, 0.2910,
0.3251

45.7148, 0.2198,
0.3011

67.5381, 0.3061,
0.3279

44.4255, 0.2167,
0.2975

72.0678, 0.3217,
0.3304

■ 43.7617, 0.2154,
0.2955

■ 77.0602, 0.3373,
0.3327

■ 78.9785, 0.3398,
0.3349

■ 80.1969, 0.3395,
0.3372

■ 81.4316, 0.3391,
0.3395

Harmonies

Analogous

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



53.7003, 0.2711, 0.3501



53.7003, 0.2510, 0.3155



53.7003, 0.2465, 0.2875

Triad

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



53.7003, 0.2510, 0.3155



53.7003, 0.3195, 0.2849



53.7003, 0.3684, 0.3866

Complementary

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



53.7003, 0.2510, 0.3155



32.3688, 0.4241, 0.3416

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.



53.7003, 0.3835, 0.3652



53.7003, 0.2510, 0.3155



53.7003, 0.3546, 0.3080

Square

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



53.7003, 0.2510, 0.3155



53.7003, 0.2844, 0.2721



53.7003, 0.3785, 0.3367



53.7003, 0.3385, 0.3930

Rectangle

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



53.7003, 0.2510, 0.3155



53.7003, 0.2527, 0.2759



53.7003, 0.3785, 0.3367



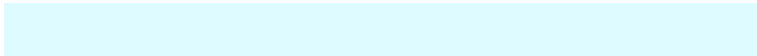
53.7003, 0.3754, 0.3807

Sweetspot

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



53.7024, 0.2510, 0.3155



92.0570, 0.2927, 0.3254



55.3351, 0.3010, 0.4529



19.4384, 0.2894, 0.3248



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.



53.7024, 0.2510, 0.3155



74.0455, 0.2412, 0.3123



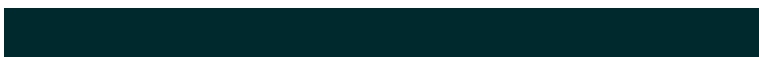
34.0058, 0.2393, 0.2475



14.5851, 0.2982, 0.3265



26.5725, 0.2156, 0.2960



1.7897, 0.2172, 0.3018

Inverse Universe

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



32.9287, 0.3277, 0.2309



41.0010, 0.3315, 0.2130



48.2207, 0.3971, 0.3979



13.2502, 0.3154, 0.3083



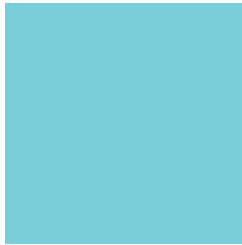
11.3063, 0.3490, 0.1696



0.7394, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 53.7003, 0.2510, 0.3155 looks on a white background.

Color Contrast Check

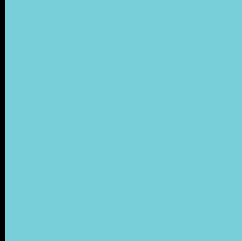
Large Text (above 18pt) WCAG AA × Fail

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 53.7003, 0.2510, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

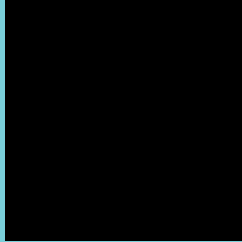
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

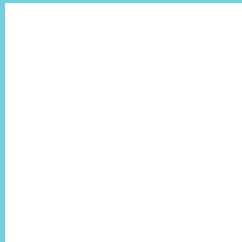
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.7003, 0.2510, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 53.7003, 0.2510, 0.3155.

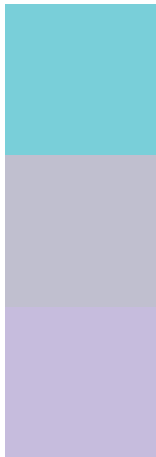


This preview shows how white text looks on a background with the Yxy color 53.7003, 0.2510, 0.3155.

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

53.7003, 0.2510, 0.3155

Protanopia

52.9731, 0.3017, 0.3095

Deuteranopia

53.1927, 0.2963, 0.2902



Tritanopia

53.6813, 0.2487, 0.3065

Trichromacy



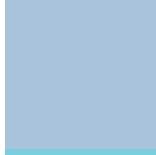
Original Color

53.7003, 0.2510, 0.3155



Protanomaly

52.7426, 0.2799, 0.3112



Deuteranomaly

52.7436, 0.2768, 0.2979



Tritanomaly

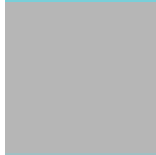
53.5006, 0.2493, 0.3091

Monochromacy



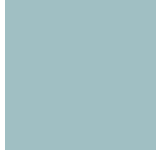
Original Color

53.7003, 0.2510, 0.3155



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

48.6753, 0.2857, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7003, 0.2510, 0.3155 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(121, 207, 217)` looks like.

```
.text, #text, p{  
    color:rgb(121, 207, 217)  
}
```

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(121, 207, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 207, 217) }
```

Border

The CSS property to change the border of an element to Yxy 53.7003, 0.2510, 0.3155 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(121, 207, 217) }
```

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

```
.border{ border-color:rgb(121, 207, 217) }
```

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

Here you see how a box with a 4 pixel rgb(121, 207, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 207, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 207, 217);  
box-shadow:4px 4px 4px 4px rgb(121, 207,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7003, 0.2510, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 207, 217) }
```

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

```
.background{ background-color: rgb(121,  
207, 217) }
```

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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