

Converting Colors

$Yxy(51.4855, 0.2474, 0.3152)$

Have a look what the booklet for
Yxy(51.4855, 0.2474, 0.3152)
contains.

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Color

Yxy(51.4855, 0.2474, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	70CCD6
RGB	112, 204, 214
RGB Percent	44%, 80%, 84%
CMY	0.5610, 0.2000, 0.1607
CMYK	0.48, 0.05, 0.00, 0.16
HSL	186°, 55%, 64%
HSV	186°, 48%, 84%
XYZ	40.4109, 51.4855, 71.4459
YIQ	177.6320, -58.0420, -16.3940

Conversions

Conversions Part 2

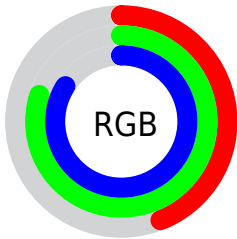
Format	Color
R _{YB}	112, 160, 214
Decimal	7392470
CIE Lab	76.97, -24.77, -13.50
CIE LCh	77, 28.208, 208.588
Yxy	51.4855, 0.2474, 0.3152
Android (android.graphics.Color)	4285582550 (0xFF70CCD6)
YUV	177.6320, 17.9294, -57.5593
Hunter-Lab	71.7534, -25.0388, -8.8086

Details

The Yxy color **51.4855, 0.2474, 0.3152** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.3835, 0.4374, 0.3416**, and the grayscale version is **44.2391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **25.0197, 0.2310, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **49.2547, 0.2375, 0.3119**, and if you desaturate by 10%, it is **54.0674, 0.2590, 0.3184**.

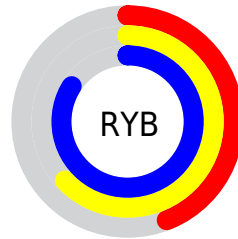
Distribution



Red (44%)

Green (80%)

Blue (84%)



Red (44%)

Yellow (63%)

Blue (84%)

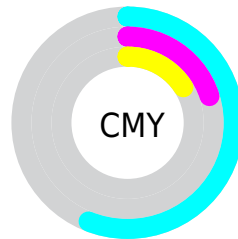


Cyan (48%)

Magenta (5%)

Yellow (0%)

Black (16%)



Cyan (56%)


Magenta (20%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4855, 0.2474, 0.3152 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 51.4855, 0.2474, 0.3152 by changing the saturation by 10% instead.


 51.4855, 0.2474,
0.3152


 51.4855, 0.2474,
0.3152


392.4471, 0.2788,
0.3228

 36.5951, 0.2400,
0.3131


 92.3720, 0.2585,
0.3181

 24.8942, 0.2307,
0.3104


 119.1370, 0.2627,
0.3191

 15.9982, 0.2187,
0.3067


 150.6289, 0.2664,
0.3200

 9.5229, 0.2029,
0.3012


187.2322, 0.2695,
0.3207

 5.0838, 0.1808,
0.2927

229.3313, 0.2723,
0.3213

 2.2965, 0.1487,
0.2779

277.3105, 0.2747,

 0.7719, 0.0439,

0.3219

0.2626

331.5544, 0.2768,
0.3223

0.0000, 0.0000,
0.0000

51.4855, 0.2474,
0.3152

51.4855, 0.2474,
0.3152

49.2547, 0.2375,
0.3119

54.0674, 0.2590,
0.3184

47.3448, 0.2294,
0.3085

57.0161, 0.2719,
0.3215

45.7307, 0.2233,
0.3051

60.3535, 0.2860,
0.3244

44.3803, 0.2191,
0.3017

64.0980, 0.3009,
0.3271

43.2490, 0.2165,
0.2983


68.2669, 0.3163,
0.3295

 43.0023, 0.2160,
0.2976

 72.8762, 0.3320,
0.3318

 76.6335, 0.3426,
0.3338

 77.7352, 0.3422,
0.3359

 78.8509, 0.3419,
0.3380

Harmonies

Analogous

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



51.4855, 0.2690, 0.3523



51.4855, 0.2474, 0.3152



51.4855, 0.2423, 0.2852

Triad

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



51.4855, 0.2474, 0.3152



51.4855, 0.3190, 0.2818



51.4855, 0.3725, 0.3899

Complementary

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



51.4855, 0.2474, 0.3152



29.3835, 0.4374, 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.



51.4855, 0.3883, 0.3667



51.4855, 0.2474, 0.3152



51.4855, 0.3566, 0.3059

Square

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



51.4855, 0.2474, 0.3152



51.4855, 0.2818, 0.2684



51.4855, 0.3826, 0.3362



51.4855, 0.3409, 0.3975

Rectangle

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



51.4855, 0.2474, 0.3152



51.4855, 0.2486, 0.2727



51.4855, 0.3826, 0.3362



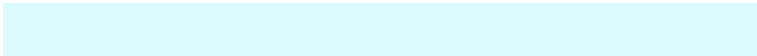
51.4855, 0.3799, 0.3835

Sweetspot

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



51.4875, 0.2474, 0.3152



91.6302, 0.2912, 0.3254



52.9179, 0.3011, 0.4667



19.3603, 0.2880, 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.



51.4875, 0.2474, 0.3152



73.2614, 0.2376, 0.3119



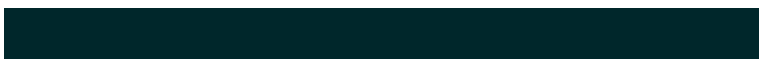
31.5706, 0.2340, 0.2426



13.8897, 0.2983, 0.3266



26.0697, 0.2161, 0.2981



1.6342, 0.2177, 0.3038

Inverse Universe

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



30.2392, 0.3284, 0.2235



38.6710, 0.3323, 0.2052



44.7845, 0.4058, 0.4010



12.6107, 0.3153, 0.3082



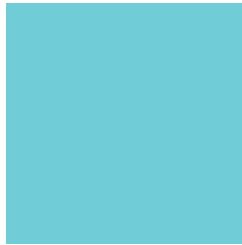
10.9766, 0.3471, 0.1686



0.6683, 0.3420, 0.1658

Previews

White Background



This preview shows how the Yxy color 51.4855, 0.2474, 0.3152 looks on a white background.

Color Contrast Check

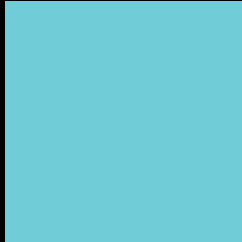
Large Text (above 18pt) WCAG AA × Fail

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 51.4855, 0.2474, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

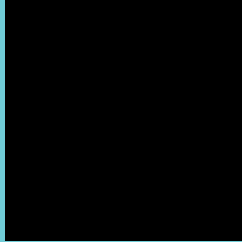
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4855, 0.2474, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 51.4855, 0.2474, 0.3152.

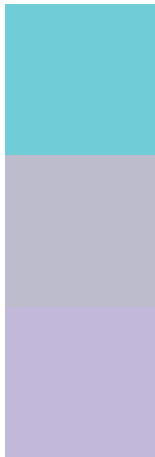


This preview shows how white text looks on a background with the Yxy color 51.4855, 0.2474, 0.3152.

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

51.4855, 0.2474, 0.3152

Protanopia

51.0174, 0.3007, 0.3092

Deuteranopia

50.6804, 0.2945, 0.2882



Tritanopia

51.4566, 0.2451, 0.3060

Trichromacy



Original Color

51.4855, 0.2474, 0.3152

Protanomaly

50.6112, 0.2774, 0.3108

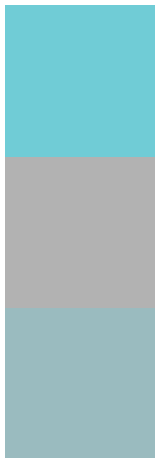
Deuteranomaly

50.1639, 0.2741, 0.2959

Tritanomaly

51.2845, 0.2456, 0.3086

Monochromacy



Original Color

51.4855, 0.2474, 0.3152

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.1723, 0.2837, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4855, 0.2474, 0.3152 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(112, 204, 214)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 214)  
}
```

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(112, 204, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 214) }
```

Border

The CSS property to change the border of an element to Yxy 51.4855, 0.2474, 0.3152 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(112, 204, 214) }
```

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

```
.border{ border-color:rgb(112, 204, 214) }
```

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

Here you see how a box with a 4 pixel rgb(112, 204, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 214);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4855, 0.2474, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 214) }
```

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

```
.background{ background-color: rgb(112,  
204, 214) }
```

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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