

Converting Colors

$Yxy(51.4440, 0.2491, 0.3123)$

Have a look what the booklet for
Yxy(51.4440, 0.2491, 0.3123)
contains.

Yxy(51.4001, 0.2491, 0.3126)	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(51.4001, 0.2491, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	75CBD7
RGB	117, 203, 215
RGB Percent	46%, 80%, 84%
CMY	0.5412, 0.2039, 0.1568
CMYK	0.46, 0.06, 0.00, 0.16
HSL	187°, 55%, 65%
HSV	187°, 46%, 84%
XYZ	40.9589, 51.4001, 72.0687
YIQ	178.6540, -55.1080, -14.5000

Conversions

Conversions Part 2

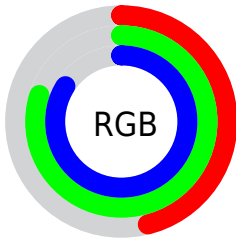
Format	Color
RYB	117, 163, 215
Decimal	7719895
CIELab	76.92, -22.86, -14.09
CIElCh	77, 26.849, 211.653
Yxy	51.4001, 0.2491, 0.3126
Android (android.graphics.Color)	4285909975 (0xFF75CBD7)
YUV	178.6540, 17.9186, -54.0706
Hunter-Lab	71.6939, -23.4866, -9.4143

Details

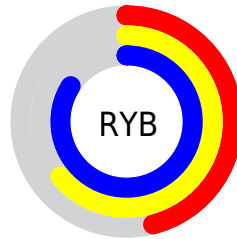
The Yxy color **51.4001, 0.2491, 0.3126** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4391, 0.4279, 0.3441**, and the grayscale version is **44.8110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **24.9325, 0.2330, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **48.8449, 0.2385, 0.3084**, and if you desaturate by 10%, it is **54.3224, 0.2612, 0.3166**.

Distribution



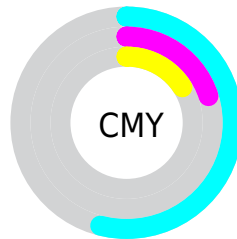
- Red (46%)
- Green (80%)
- Blue (84%)



- Red (46%)
- Yellow (64%)
- Blue (84%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)




- Cyan (54%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4001, 0.2491, 0.3126 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 51.4001, 0.2491, 0.3126 by changing the saturation by 10% instead.

 51.4001, 0.2491,
0.3126

 51.4001, 0.2491,
0.3126


392.1163, 0.2797,
0.3214


 36.5271, 0.2419,
0.3103


 92.2459, 0.2599,
0.3159

 24.8416, 0.2328,
0.3072

 118.9875, 0.2641,
0.3171

 15.9591, 0.2211,
0.3030


 150.4542, 0.2676,
0.3181

 9.4952, 0.2056,
0.2969

187.0302, 0.2707,
0.3190

 5.0656, 0.1841,
0.2876

229.1000, 0.2733,
0.3197

 2.2858, 0.1525,
0.2718

277.0481, 0.2757,

 0.7662, 0.0561,

0.3203

0.2526

331.2587, 0.2778,
0.3209

0.0000, 0.0000,
0.0000

51.4001, 0.2491,
0.3126

51.4001, 0.2491,
0.3126

48.8449, 0.2385,
0.3084

54.3224, 0.2612,
0.3166

46.6272, 0.2298,
0.3042

57.6276, 0.2746,
0.3204

44.7219, 0.2229,
0.2998

61.3375, 0.2890,
0.3240

43.0979, 0.2179,
0.2955

65.4703, 0.3041,
0.3273

41.7168, 0.2148,
0.2913

70.0435, 0.3196,
0.3303

■ 41.1547, 0.2137,
0.2894

■ 75.0732, 0.3352,
0.3330

■ 78.1247, 0.3414,
0.3356

■ 79.5320, 0.3410,
0.3382

■ 80.9614, 0.3406,
0.3408

Harmonies

Analogous

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



51.4001, 0.2683, 0.3476



51.4001, 0.2491, 0.3126



51.4001, 0.2459, 0.2851

Triad

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



51.4001, 0.2491, 0.3126



51.4001, 0.3226, 0.2858



51.4001, 0.3672, 0.3886

Complementary

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



51.4001, 0.2491, 0.3126



31.4391, 0.4279, 0.3441

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.



51.4001, 0.3841, 0.3678



51.4001, 0.2491, 0.3126



51.4001, 0.3577, 0.3098

Square

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



51.4001, 0.2491, 0.3126



51.4001, 0.2866, 0.2718



51.4001, 0.3807, 0.3391



51.4001, 0.3361, 0.3937

Rectangle

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



51.4001, 0.2491, 0.3126



51.4001, 0.2530, 0.2741



51.4001, 0.3807, 0.3391



51.4001, 0.3748, 0.3831

Sweetspot

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



51.4021, 0.2491, 0.3126



91.0850, 0.2912, 0.3245



53.9649, 0.2998, 0.4549



19.2261, 0.2879, 0.3237



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.



51.4021, 0.2491, 0.3126



71.8807, 0.2386, 0.3085



31.9890, 0.2366, 0.2422



13.8358, 0.2983, 0.3261



24.7146, 0.2139, 0.2901



1.5654, 0.2160, 0.2974

Inverse Universe

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



31.4833, 0.3301, 0.2301



39.6258, 0.3347, 0.2114



47.3556, 0.3991, 0.4017



12.6053, 0.3156, 0.3088



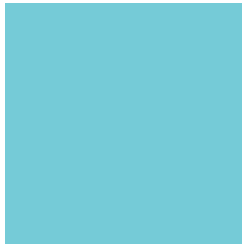
10.8398, 0.3543, 0.1725



0.6613, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 51.4001, 0.2491, 0.3126 looks on a white background.

Color Contrast Check

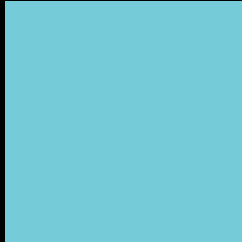
Large Text (above 18pt) WCAG AA × Fail

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 51.4001, 0.2491, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

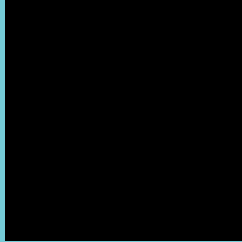
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4001, 0.2491, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 51.4001, 0.2491, 0.3126.



This preview shows how white text looks on a background with the Yxy color 51.4001, 0.2491, 0.3126.

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

51.4001, 0.2491, 0.3126

Protanopia

50.9390, 0.2992, 0.3079

Deuteranopia

50.7329, 0.2938, 0.2871



Tritanopia

51.2071, 0.2473, 0.3061

Trichromacy



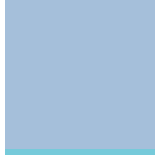
Original Color

51.4001, 0.2491, 0.3126



Protanomaly

50.4248, 0.2781, 0.3083



Deuteranomaly

50.3229, 0.2742, 0.2948



Tritanomaly

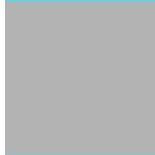
51.1546, 0.2478, 0.3074

Monochromacy



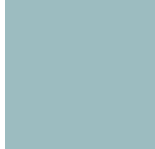
Original Color

51.4001, 0.2491, 0.3126



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

46.8401, 0.2846, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4001, 0.2491, 0.3126 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(117, 203, 215)` looks like.

```
.text, #text, p{  
    color:rgb(117, 203, 215)  
}
```

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(117, 203, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 203, 215) }
```

Border

The CSS property to change the border of an element to Yxy 51.4001, 0.2491, 0.3126 is called "border". The border property can be set on classes, ids or directly on the HTML element.

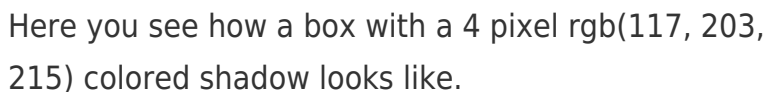
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 203, 215) }
```

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

```
.border{ border-color:rgb(117, 203, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 203, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 203, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 203, 215); box-shadow:4px 4px 4px 4px rgb(117, 203, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4001, 0.2491, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 203, 215) }
```

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

```
.background{ background-color: rgb(117,  
203, 215) }
```

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