

Converting Colors

$Yxy(51.8694, 0.2471, 0.3518)$

Have a look what the booklet for
Yxy(51.8694, 0.2471, 0.3518)
contains.

Yxy(51.8730, 0.2471, 0.3518)	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(51.8730, 0.2471, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	54D2C2
RGB	84, 210, 194
RGB Percent	33%, 82%, 76%
CMY	0.6710, 0.1764, 0.2391
CMYK	0.60, 0.00, 0.08, 0.18
HSL	172°, 58%, 58%
HSV	172°, 60%, 82%
XYZ	36.4350, 51.8730, 59.1423
YIQ	170.5020, -69.9600, -31.6880

Conversions

Conversions Part 2

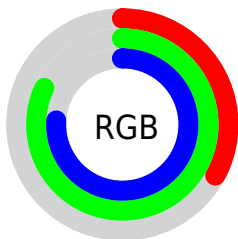
Format	Color
RYB	84, 151, 210
Decimal	5558978
CIELab	77.20, -38.53, -2.49
CIElCh	77, 38.610, 183.691
Yxy	51.8730, 0.2471, 0.3518
Android (android.graphics.Color)	4283749058 (0xFF54D2C2)
YUV	170.5020, 11.5845, -75.8623
Hunter-Lab	72.0229, -35.7405, 1.7295

Details

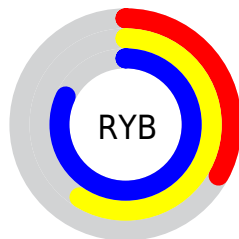
The Yxy color **51.8730, 0.2471, 0.3518** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.9462, 0.4756, 0.3109**, and the grayscale version is **40.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4419, 0.2562, 0.3345**, and **25.3658, 0.2324, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **50.9296, 0.2416, 0.3562**, and if you desaturate by 10%, it is **53.1128, 0.2545, 0.3475**.

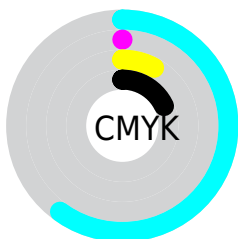
Distribution



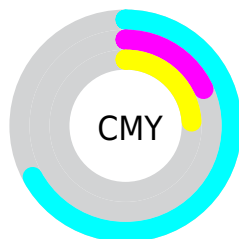
- Red (33%)
- Green (82%)
- Blue (76%)



- Red (33%)
- Yellow (59%)
- Blue (82%)



- Cyan (60%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)




- Cyan (67%)
- Magenta (18%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8730, 0.2471, 0.3518 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 51.8730, 0.2471, 0.3518 by changing the saturation by 10% instead.


 51.8730, 0.2471,
0.3518


 51.8730, 0.2471,
0.3518


393.9461, 0.2789,
0.3410


 36.9039, 0.2395,
0.3543


 92.9439, 0.2584,
0.3480


 25.1331, 0.2299,
0.3575


 119.8145, 0.2628,
0.3465

 16.1762, 0.2174,
0.3615

 151.4210, 0.2664,
0.3453

 9.6489, 0.2007,
0.3667

 188.1478, 0.2696,
0.3442

 5.1668, 0.1772,
0.3737

230.3793, 0.2724,
0.3432

 2.3455, 0.1422,
0.3835

278.4999, 0.2748,

 0.7976, 0.0000,

0.3424

0.4330

332.8941, 0.2770,
0.3416

■ 0.0000, 0.0000,
0.0000

■ 51.8730, 0.2471,
0.3518

■ 51.8730, 0.2471,
0.3518

■ 50.9296, 0.2416,
0.3562

■ 53.1128, 0.2545,
0.3475

■ 50.2498, 0.2379,
0.3607

■ 54.6666, 0.2637,
0.3433

■ 49.8037, 0.2362,
0.3651

■ 56.5576, 0.2743,
0.3393

■ 49.5337, 0.2360,
0.3695

■ 58.8051, 0.2863,
0.3356

■ 61.4269, 0.2991,
0.3322

■ 64.4397, 0.3126,
0.3290

■ 67.8592, 0.3266,
0.3262

■ 71.7001, 0.3407,
0.3236

■ 72.4202, 0.3410,
0.3210

Harmonies

Analogous

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



51.8730, 0.2899, 0.3997



51.8730, 0.2471, 0.3518



51.8730, 0.2226, 0.3008

Triad

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



51.8730, 0.2471, 0.3518



51.8730, 0.2783, 0.2505



51.8730, 0.4138, 0.3842

Complementary

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



51.8730, 0.2471, 0.3518



20.9462, 0.4756, 0.3109

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.



51.8730, 0.4120, 0.3441



51.8730, 0.2471, 0.3518



51.8730, 0.3298, 0.2708

Square

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



51.8730, 0.2471, 0.3518



51.8730, 0.2395, 0.2473



51.8730, 0.3802, 0.3039



51.8730, 0.3869, 0.4147

Rectangle

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



51.8730, 0.2471, 0.3518



51.8730, 0.2185, 0.2741



51.8730, 0.3802, 0.3039



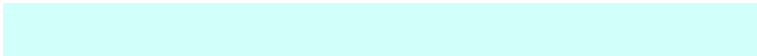
51.8730, 0.4167, 0.3713

Sweetspot

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



51.8750, 0.2471, 0.3518



91.9407, 0.2886, 0.3349



49.4876, 0.3129, 0.5165



19.4401, 0.2849, 0.3360



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.



51.8750, 0.2471, 0.3518



78.6850, 0.2404, 0.3574



33.0026, 0.2239, 0.2591



13.3802, 0.3000, 0.3320



30.2215, 0.2358, 0.3688



1.6972, 0.2335, 0.3607

Inverse Universe

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



20.9462, 0.4756, 0.3109



26.6379, 0.5317, 0.3108



30.3444, 0.4589, 0.3849



11.8323, 0.3271, 0.3261



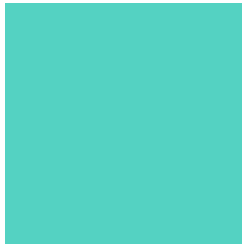
8.4132, 0.6228, 0.3205



0.4787, 0.5824, 0.2982

Previews

White Background



This preview shows how the Yxy color 51.8730, 0.2471, 0.3518 looks on a white background.

Color Contrast Check

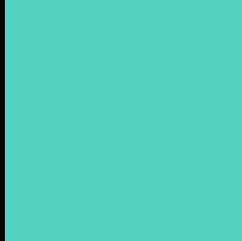
Large Text (above 18pt) WCAG AA × Fail

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 51.8730, 0.2471, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

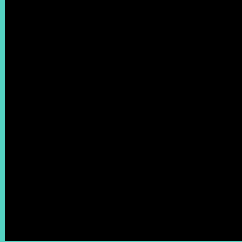
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

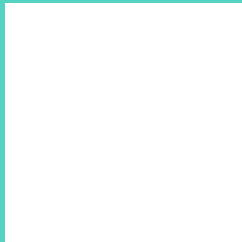
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8730, 0.2471, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 51.8730, 0.2471, 0.3518.

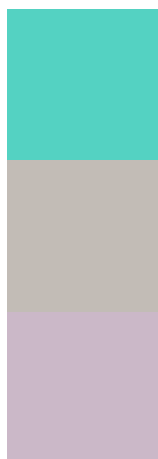


This preview shows how white text looks on a background with the Yxy color 51.8730, 0.2471, 0.3518.

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

51.8730, 0.2471, 0.3518

Protanopia

50.8132, 0.3224, 0.3365

Deuteranopia

51.1476, 0.3161, 0.3098



Tritanopia

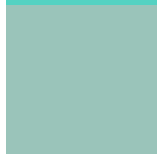
51.8494, 0.2368, 0.3071

Trichromacy



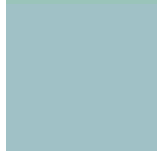
Original Color

51.8730, 0.2471, 0.3518



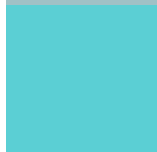
Protanomaly

49.8951, 0.2878, 0.3425



Deuteranomaly

49.6907, 0.2839, 0.3223



Tritanomaly

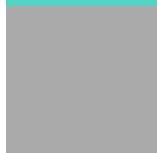
51.6033, 0.2402, 0.3219

Monochromacy



Original Color

51.8730, 0.2471, 0.3518



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.4416, 0.2807, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8730, 0.2471, 0.3518 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(84, 210, 194)` looks like.

```
.text, #text, p{  
  color:rgb(84, 210, 194)  
}
```

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(84, 210, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 210, 194) }
```

Border

The CSS property to change the border of an element to Yxy 51.8730, 0.2471, 0.3518 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(84, 210, 194) }
```

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

```
.border{ border-color:rgb(84, 210, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 210, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 210, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 210, 194);  
box-shadow:4px 4px 4px 4px rgb(84, 210,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8730, 0.2471, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 210, 194) }
```

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

```
.background{ background-color: rgb(84, 210,  
194) }
```

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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