

Converting Colors

$Yxy(51.8217, 0.2695, 0.3532)$

Have a look what the booklet for
Yxy(51.8217, 0.2695, 0.3532)
contains.

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Color

Yxy(51.7291, 0.2693, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	7ECDBC
RGB	126, 205, 188
RGB Percent	49%, 80%, 74%
CMY	0.5060, 0.1960, 0.2628
CMYK	0.39, 0.00, 0.08, 0.20
HSL	167°, 44%, 65%
HSV	167°, 39%, 80%
XYZ	39.5084, 51.7291, 55.4701
YIQ	179.4410, -41.6270, -22.0350

Conversions

Conversions Part 2

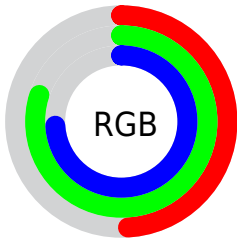
Format	Color
RYB	126, 170, 205
Decimal	8310204
CIELab	77.12, -28.22, 0.82
CIELCh	77, 28.232, 178.345
Yxy	51.7291, 0.2693, 0.3526
Android (android.graphics.Color)	4286500284 (0xFF7ECDBC)
YUV	179.4410, 4.2196, -46.8678
Hunter-Lab	71.9229, -27.8124, 4.6190

Details

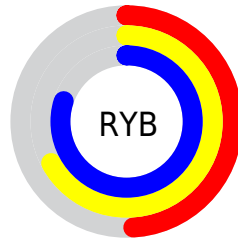
The Yxy color **51.7291, 0.2693, 0.3526** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.8794, 0.3866, 0.3073**, and the grayscale version is **45.3182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9967, 0.2765, 0.3408**, and **24.9397, 0.2576, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **50.1419, 0.2607, 0.3599**, and if you desaturate by 10%, it is **53.6456, 0.2793, 0.3458**.

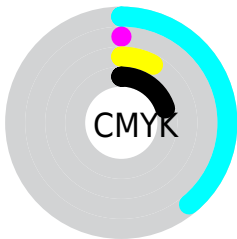
Distribution



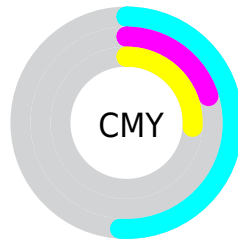
- Red (49%)
- Green (80%)
- Blue (74%)



- Red (49%)
- Yellow (67%)
- Blue (80%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)





- Cyan (51%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7291, 0.2693, 0.3526 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 51.7291, 0.2693, 0.3526 by changing the saturation by 10% instead.

 51.7291, 0.2693,
0.3526

 51.7291, 0.2693,
0.3526


393.3899, 0.2906,
0.3410


 36.7892, 0.2641,
0.3554


 92.7316, 0.2769,
0.3484

 25.0443, 0.2576,
0.3590


 119.5630, 0.2798,
0.3469

 16.1101, 0.2489,
0.3638


 151.1270, 0.2823,
0.3455

 9.6021, 0.2372,
0.3703

187.8080, 0.2844,
0.3444

 5.1359, 0.2202,
0.3797

229.9904, 0.2862,
0.3434

 2.3272, 0.1937,
0.3947

278.0585, 0.2879,

 0.7881, 0.0365,

0.3425

0.4778

332.3969, 0.2893,
0.3417

0.0000, 0.0000,
0.0000

51.7291, 0.2693,
0.3526

51.7291, 0.2693,
0.3526

50.1419, 0.2607,
0.3599

53.6456, 0.2793,
0.3458

48.8581, 0.2537,
0.3674

55.9031, 0.2903,
0.3394

47.8579, 0.2485,
0.3752


58.5205, 0.3022,
0.3336


47.1164, 0.2452,
0.3832


61.5134, 0.3145,
0.3283

46.6046, 0.2440,
0.3911


64.8964, 0.3271,
0.3235


 46.2768, 0.2444,
0.3989

 68.6833, 0.3398,
0.3193

 46.2350, 0.2445,
0.4001

 70.0362, 0.3411,
0.3150

 70.2718, 0.3378,
0.3106

 70.5135, 0.3345,
0.3062

Harmonies

Analogous

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



51.7291, 0.3033, 0.3840



51.7291, 0.2693, 0.3526



51.7291, 0.2476, 0.3155

Triad

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



51.7291, 0.2693, 0.3526



51.7291, 0.2815, 0.2684



51.7291, 0.3883, 0.3664

Complementary

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



51.7291, 0.2693, 0.3526



29.8794, 0.3866, 0.3073

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.



51.7291, 0.3824, 0.3360



51.7291, 0.2693, 0.3526



51.7291, 0.3187, 0.2816

Square

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



51.7291, 0.2693, 0.3526



51.7291, 0.2543, 0.2692



51.7291, 0.3563, 0.3057



51.7291, 0.3727, 0.3897

Rectangle

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



51.7291, 0.2693, 0.3526



51.7291, 0.2421, 0.2941



51.7291, 0.3563, 0.3057



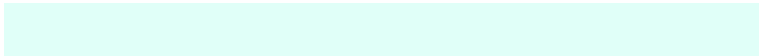
51.7291, 0.3888, 0.3567

Sweetspot

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



51.7312, 0.2693, 0.3526



94.2340, 0.2978, 0.3356



51.0215, 0.3196, 0.4414



20.0473, 0.2963, 0.3364



0.0000, 0.0000, 0.0000



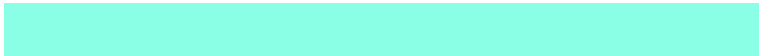
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7312, 0.2693, 0.3526



82.5959, 0.2622, 0.3584



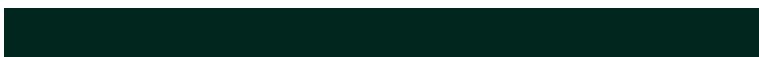
42.5512, 0.2549, 0.2974



12.6841, 0.3012, 0.3340



28.7946, 0.2441, 0.3989



1.4961, 0.2399, 0.3836

Inverse Universe

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



29.8794, 0.3866, 0.3073



41.9942, 0.4104, 0.3029



35.7821, 0.3962, 0.3581



11.2526, 0.3257, 0.3240



8.2056, 0.6015, 0.3087



0.4349, 0.5458, 0.2780

Previews

White Background



This preview shows how the Yxy color 51.7291, 0.2693, 0.3526 looks on a white background.

Color Contrast Check

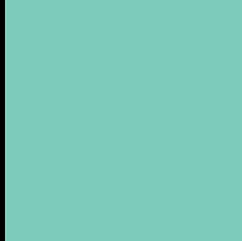
Large Text (above 18pt) WCAG AA × Fail

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 51.7291, 0.2693, 0.3526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

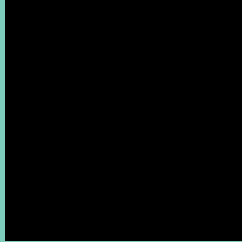
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

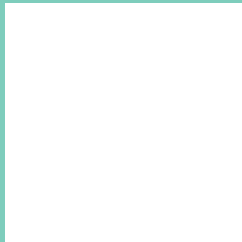
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7291, 0.2693, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 51.7291, 0.2693, 0.3526.

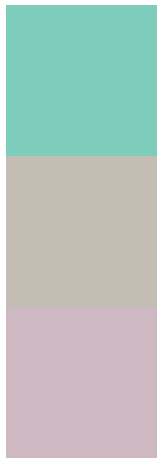


This preview shows how white text looks on a background with the Yxy color 51.7291, 0.2693, 0.3526.

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

51.7291, 0.2693, 0.3526

Protanopia

51.2520, 0.3255, 0.3415

Deuteranopia

51.2530, 0.3242, 0.3182



Tritanopia

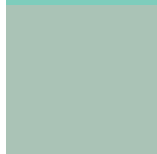
51.7696, 0.2561, 0.3077

Trichromacy



Original Color

51.7291, 0.2693, 0.3526



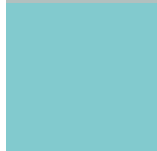
Protanomaly

50.9537, 0.3025, 0.3461



Deuteranomaly

50.8080, 0.3015, 0.3303



Tritanomaly

51.4431, 0.2607, 0.3234

Monochromacy



Original Color

51.7291, 0.2693, 0.3526



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

46.8174, 0.2947, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7291, 0.2693, 0.3526 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(126, 205, 188)` looks like.

```
.text, #text, p{  
    color:rgb(126, 205, 188)  
}
```

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(126, 205, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 205, 188) }
```

Border

The CSS property to change the border of an element to Yxy 51.7291, 0.2693, 0.3526 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(126, 205, 188) }
```

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

```
.border{ border-color:rgb(126, 205, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 205, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 205, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 205, 188);  
box-shadow:4px 4px 4px 4px rgb(126, 205,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7291, 0.2693, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 205, 188) }
```

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

```
.background{ background-color: rgb(126,  
205, 188) }
```

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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