

Converting Colors

Yxy(52.2559, 0.2738, 0.3531)

Have a look what the booklet for
Yxy(52.2559, 0.2738, 0.3531)
contains.

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Color

Yxy(52.2370, 0.2741, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	85CDBB
RGB	133, 205, 187
RGB Percent	52%, 80%, 73%
CMY	0.4782, 0.1961, 0.2666
CMYK	0.35, 0.00, 0.09, 0.20
HSL	165°, 42%, 66%
HSV	165°, 35%, 80%
XYZ	40.4811, 52.2370, 54.9692
YIQ	181.4200, -37.1340, -20.8620

Conversions

Conversions Part 2

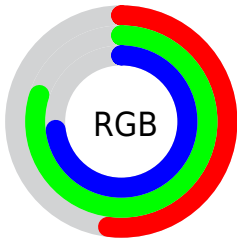
Format	Color
RYB	133, 174, 205
Decimal	8768955
CIELab	77.42, -26.49, 1.82
CIElCh	77, 26.554, 176.066
Yxy	52.2370, 0.2741, 0.3537
Android (android.graphics.Color)	4286959035 (0xFF85CDBB)
YUV	181.4200, 2.7509, -42.4643
Hunter-Lab	72.2752, -26.5043, 5.4993

Details

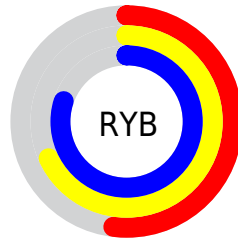
The Yxy color **52.2370, 0.2741, 0.3537** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.0043, 0.3745, 0.3061**, and the grayscale version is **46.4552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6824, 0.2801, 0.3418**, and **25.1962, 0.2631, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **50.5138, 0.2653, 0.3620**, and if you desaturate by 10%, it is **54.2979, 0.2841, 0.3459**.

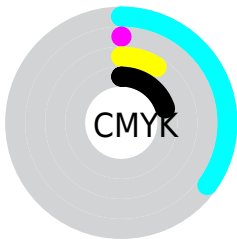
Distribution



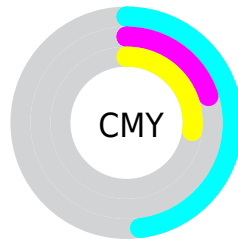
- Red (52%)
- Green (80%)
- Blue (73%)



- Red (52%)
- Yellow (68%)
- Blue (80%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)





- Cyan (48%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2370, 0.2741, 0.3537 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 52.2370, 0.2741, 0.3537 by changing the saturation by 10% instead.

 52.2370, 0.2741,
0.3537


 52.2370, 0.2741,
0.3537


395.3509, 0.2930,
0.3415


 37.1940, 0.2695,
0.3567


 93.4807, 0.2809,
0.3493

 25.3577, 0.2636,
0.3605


 120.4501, 0.2835,
0.3476

 16.3438, 0.2559,
0.3656


 152.1639, 0.2857,
0.3462

 9.7678, 0.2454,
0.3725

189.0064, 0.2876,
0.3450

 5.2452, 0.2302,
0.3828

231.3619, 0.2892,
0.3440

 2.3919, 0.2062,
0.3991

279.6149, 0.2906,

 0.8217, 0.0779,

0.3430

0.4768

334.1498, 0.2919,
0.3422

0.0000, 0.0000,
0.0000

52.2370, 0.2741,
0.3537

52.2370, 0.2741,
0.3537

50.5138, 0.2653,
0.3620

54.2979, 0.2841,
0.3459

49.1028, 0.2580,
0.3708

56.7077, 0.2951,
0.3387

47.9852, 0.2524,
0.3799


59.4849, 0.3067,
0.3321

47.1371, 0.2488,
0.3892

62.6447, 0.3186,
0.3262


46.5312, 0.2471,
0.3986


66.2015, 0.3307,
0.3209


 46.1339, 0.2474,
0.4078

 69.9687, 0.3420,
0.3161

 45.9845, 0.2479,
0.4124

 70.2408, 0.3381,
0.3110

 70.5212, 0.3343,
0.3059

 70.8100, 0.3305,
0.3009

Harmonies

Analogous

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



52.2370, 0.3067, 0.3820



52.2370, 0.2741, 0.3537



52.2370, 0.2525, 0.3190

Triad

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



52.2370, 0.2741, 0.3537



52.2370, 0.2811, 0.2715



52.2370, 0.3839, 0.3624

Complementary

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



52.2370, 0.2741, 0.3537



32.0043, 0.3745, 0.3061

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.



52.2370, 0.3767, 0.3335



52.2370, 0.2741, 0.3537



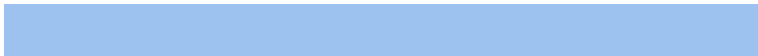
52.2370, 0.3156, 0.2830

Square

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



52.2370, 0.2741, 0.3537



52.2370, 0.2564, 0.2735



52.2370, 0.3512, 0.3052



52.2370, 0.3708, 0.3848

Rectangle

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



52.2370, 0.2741, 0.3537



52.2370, 0.2465, 0.2985



52.2370, 0.3512, 0.3052



52.2370, 0.3838, 0.3531

Sweetspot

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



52.2391, 0.2741, 0.3537



94.6194, 0.2996, 0.3360



51.9378, 0.3211, 0.4294



20.1219, 0.2980, 0.3369



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.



52.2391, 0.2741, 0.3537



83.4208, 0.2674, 0.3599



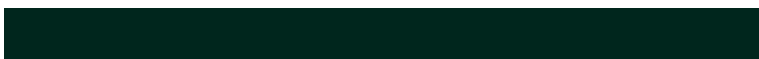
44.9432, 0.2603, 0.3040



12.6773, 0.3016, 0.3349



28.6450, 0.2475, 0.4110



1.4894, 0.2425, 0.3930

Inverse Universe

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



32.0043, 0.3745, 0.3061



45.4906, 0.3941, 0.3012



36.8196, 0.3875, 0.3524



11.2589, 0.3251, 0.3232



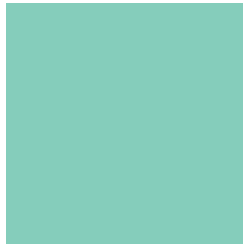
8.2431, 0.5911, 0.3030



0.4378, 0.5340, 0.2715

Previews

White Background



This preview shows how the Yxy color 52.2370, 0.2741, 0.3537 looks on a white background.

Color Contrast Check

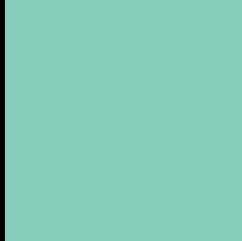
Large Text (above 18pt) WCAG AA × Fail

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 52.2370, 0.2741, 0.3537 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

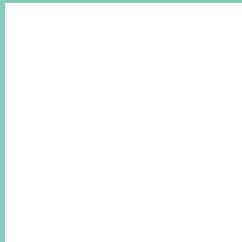
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2370, 0.2741, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 52.2370, 0.2741, 0.3537.

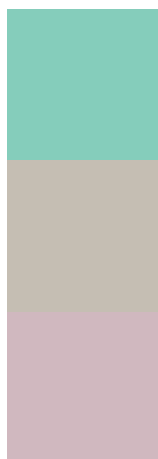


This preview shows how white text looks on a background with the Yxy color 52.2370, 0.2741, 0.3537.

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

52.2370, 0.2741, 0.3537

Protanopia

51.9519, 0.3270, 0.3427

Deuteranopia

51.4525, 0.3275, 0.3207



Tritanopia

52.3585, 0.2601, 0.3080

Trichromacy



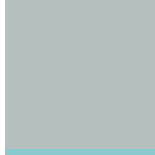
Original Color

52.2370, 0.2741, 0.3537



Protanomaly

51.4063, 0.3056, 0.3459



Deuteranomaly

51.2407, 0.3054, 0.3315



Tritanomaly

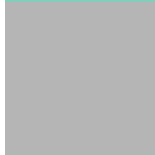
52.0157, 0.2648, 0.3235

Monochromacy



Original Color

52.2370, 0.2741, 0.3537



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.1383, 0.2971, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2370, 0.2741, 0.3537 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(133, 205, 187)` looks like.

```
.text, #text, p{  
    color:rgb(133, 205, 187)  
}
```

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(133, 205, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 205, 187) }
```

Border

The CSS property to change the border of an element to Yxy 52.2370, 0.2741, 0.3537 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(133, 205, 187) }
```

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

```
.border{ border-color:rgb(133, 205, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 205, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 205, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 205, 187);  
box-shadow:4px 4px 4px 4px rgb(133, 205,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2370, 0.2741, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 205, 187) }
```

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

```
.background{ background-color: rgb(133,  
205, 187) }
```

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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