

Converting Colors

$Yxy(53.3383, 0.2744, 0.3567)$

Have a look what the booklet for
Yxy(53.3383, 0.2744, 0.3567)
contains.

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Color

Yxy(53.2000, 0.2744, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	85CFBB
RGB	133, 207, 187
RGB Percent	52%, 81%, 73%
CMY	0.4782, 0.1882, 0.2668
CMYK	0.36, 0.00, 0.10, 0.19
HSL	164°, 44%, 67%
HSV	164°, 36%, 81%
XYZ	40.9598, 53.2000, 55.1107
YIQ	182.5940, -37.6840, -21.9080

Conversions

Conversions Part 2

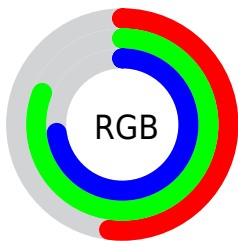
Format	Color
RYB	133, 176, 207
Decimal	8769467
CIELab	77.99, -27.47, 2.67
CIELCh	78, 27.604, 174.451
Yxy	53.2000, 0.2744, 0.3564
Android (android.graphics.Color)	4286959547 (0xFF85CFBB)
YUV	182.5940, 2.1722, -43.4939
Hunter-Lab	72.9383, -27.4022, 6.2586

Details

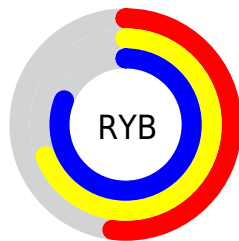
The Yxy color **53.2000, 0.2744, 0.3564** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3582, 0.3743, 0.3037**, and the grayscale version is **47.1302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8099, 0.2807, 0.3418**, and **25.8400, 0.2636, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **51.4438, 0.2659, 0.3655**, and if you desaturate by 10%, it is **55.3019, 0.2841, 0.3479**.

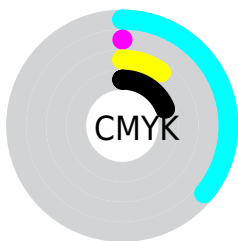
Distribution



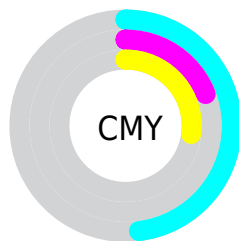
- Red (52%)
- Green (81%)
- Blue (73%)



- Red (52%)
- Yellow (69%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (10%)
- Black (19%)




- Cyan (48%)
- Magenta (19%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2000, 0.2744, 0.3564 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 53.2000, 0.2744, 0.3564 by changing the saturation by 10% instead.


 53.2000, 0.2744,
0.3564


 53.2000, 0.2744,
0.3564


399.0520, 0.2932,
0.3429


 37.9625, 0.2698,
0.3597


 94.8986, 0.2811,
0.3515

 25.9535, 0.2640,
0.3640


 122.1284, 0.2837,
0.3497

 16.7889, 0.2564,
0.3696


 154.1245, 0.2859,
0.3481

 10.0841, 0.2461,
0.3774

191.2712, 0.2877,
0.3468

 5.4547, 0.2310,
0.3888

233.9529, 0.2894,
0.3456

 2.5165, 0.2075,
0.4071

282.5540, 0.2908,

 0.8849, 0.0930,

0.3446

0.4830

337.4589, 0.2920,
0.3437

0.0000, 0.0000,
0.0000

53.2000, 0.2744,
0.3564

53.2000, 0.2744,
0.3564

51.4438, 0.2659,
0.3655

55.3019, 0.2841,
0.3479

50.0072, 0.2589,
0.3751

57.7611, 0.2948,
0.3400

48.8706, 0.2536,
0.3851


60.5966, 0.3061,
0.3328

48.0094, 0.2502,
0.3953


63.8241, 0.3177,
0.3263

47.3951, 0.2489,
0.4055


67.4584, 0.3295,
0.3205

 46.9928, 0.2494,
0.4156

 71.0833, 0.3395,
0.3153

 46.8569, 0.2500,
0.4199

 71.3864, 0.3354,
0.3097

 71.6995, 0.3313,
0.3042

 72.0227, 0.3272,
0.2987

Harmonies

Analogous

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



53.2000, 0.3084, 0.3850



53.2000, 0.2744, 0.3564



53.2000, 0.2514, 0.3205

Triad

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



53.2000, 0.2744, 0.3564



53.2000, 0.2784, 0.2695



53.2000, 0.3864, 0.3618

Complementary

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



53.2000, 0.2744, 0.3564



32.3582, 0.3743, 0.3037

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.



53.2000, 0.3779, 0.3319



53.2000, 0.2744, 0.3564



53.2000, 0.3136, 0.2807

Square

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



53.2000, 0.2744, 0.3564



53.2000, 0.2536, 0.2722



53.2000, 0.3506, 0.3030



53.2000, 0.3738, 0.3857

Rectangle

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



53.2000, 0.2744, 0.3564



53.2000, 0.2447, 0.2989



53.2000, 0.3506, 0.3030



53.2000, 0.3859, 0.3521

Sweetspot

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



53.2022, 0.2744, 0.3564



94.5833, 0.2999, 0.3366



53.1897, 0.3230, 0.4309



20.1132, 0.2984, 0.3376



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.



53.2022, 0.2744, 0.3564



83.0250, 0.2676, 0.3635



46.7474, 0.2598, 0.3070



13.3502, 0.3019, 0.3354



29.5396, 0.2496, 0.4185



1.6646, 0.2445, 0.4000

Inverse Universe

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



32.3582, 0.3743, 0.3037



44.7145, 0.3945, 0.2982



36.4795, 0.3904, 0.3497



11.8601, 0.3249, 0.3227



8.5516, 0.5846, 0.2994



0.4916, 0.5312, 0.2700

Previews

White Background



This preview shows how the Yxy color 53.2000, 0.2744, 0.3564 looks on a white background.

Color Contrast Check

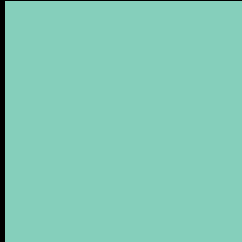
Large Text (above 18pt) WCAG AA × Fail

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 53.2000, 0.2744, 0.3564 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

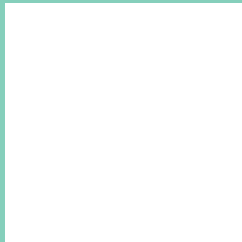
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2000, 0.2744, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 53.2000, 0.2744, 0.3564.

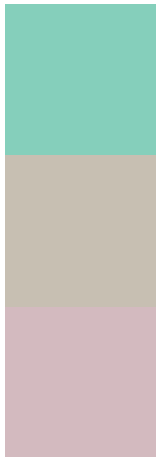


This preview shows how white text looks on a background with the Yxy color 53.2000, 0.2744, 0.3564.

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

53.2000, 0.2744, 0.3564

Protanopia

52.6181, 0.3294, 0.3451

Deuteranopia

52.7283, 0.3298, 0.3231



Tritanopia

53.0183, 0.2598, 0.3068

Trichromacy



Original Color

53.2000, 0.2744, 0.3564



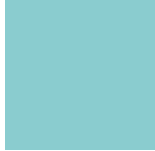
Protanomaly

52.3827, 0.3070, 0.3497



Deuteranomaly

52.3686, 0.3069, 0.3340



Tritanomaly

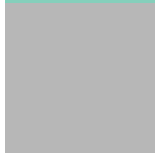
53.0940, 0.2652, 0.3249

Monochromacy



Original Color

53.2000, 0.2744, 0.3564



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.1593, 0.2972, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2000, 0.2744, 0.3564 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, 207, 187)` looks like.

```
.text, #text, p{  
    color:rgb(133, 207, 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, 207, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 207, 187) }
```

Border

The CSS property to change the border of an element to Yxy 53.2000, 0.2744, 0.3564 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, 207, 187) }
```

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

```
.border{ border-color:rgb(133, 207, 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, 207, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 207, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 207, 187);  
box-shadow:4px 4px 4px 4px rgb(133, 207,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2000, 0.2744, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 207, 187) }
```

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

```
.background{ background-color: rgb(133,  
207, 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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