

Converting Colors

$Yxy(52.1642, 0.2709, 0.3558)$

Have a look what the booklet for
Yxy(52.1642, 0.2709, 0.3558)
contains.

Yxy(52.2425, 0.2706, 0.3553)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.2425, 0.2706, 0.3553)

Conversions

Conversions Part 1

Format	Color
Hex	7FCEBB
RGB	127, 206, 187
RGB Percent	50%, 81%, 73%
CMY	0.5022, 0.1921, 0.2666
CMYK	0.38, 0.00, 0.09, 0.19
HSL	166°, 45%, 65%
HSV	166°, 38%, 81%
XYZ	39.7884, 52.2425, 55.0068
YIQ	180.2130, -40.9850, -22.6570

Conversions

Conversions Part 2

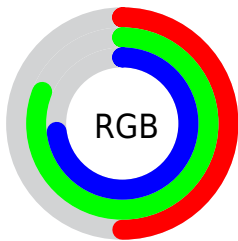
Format	Color
RYB	127, 172, 206
Decimal	8375995
CIELab	77.43, -28.66, 1.79
CIElCh	77, 28.720, 176.425
Yxy	52.2425, 0.2706, 0.3553
Android (android.graphics.Color)	4286566075 (0xFF7FCEBB)
YUV	180.2130, 3.3460, -46.6678
Hunter-Lab	72.2790, -28.2268, 5.4735

Details

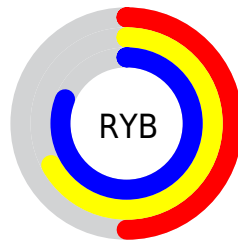
The Yxy color **52.2425, 0.2706, 0.3553** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.3628, 0.3838, 0.3048**, and the grayscale version is **45.7557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0583, 0.2775, 0.3419**, and **25.2709, 0.2593, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **50.6136, 0.2622, 0.3635**, and if you desaturate by 10%, it is **54.2063, 0.2804, 0.3476**.

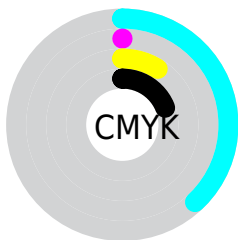
Distribution



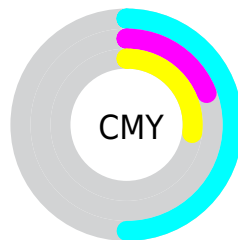
- Red (50%)
- Green (81%)
- Blue (73%)



- Red (50%)
- Yellow (67%)
- Blue (81%)



- Cyan (38%)
- Magenta (0%)
- Yellow (9%)
- Black (19%)




- Cyan (50%)
- Magenta (19%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2425, 0.2706, 0.3553 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 52.2425, 0.2706, 0.3553 by changing the saturation by 10% instead.


 52.2425, 0.2706,
0.3553

 52.2425, 0.2706,
0.3553

395.3721, 0.2912,
0.3423


 37.1984, 0.2656,
0.3585


 93.4888, 0.2780,
0.3506

 25.3611, 0.2592,
0.3626


 120.4597, 0.2808,
0.3489

 16.3463, 0.2508,
0.3679


 152.1751, 0.2832,
0.3474

 9.7696, 0.2394,
0.3753

189.0193, 0.2853,
0.3461

 5.2464, 0.2229,
0.3861

231.3767, 0.2870,
0.3449

 2.3926, 0.1971,
0.4034

279.6317, 0.2886,

 0.8221, 0.0488,

0.3440

0.4912

334.1687, 0.2900,
0.3431

0.0000, 0.0000,
0.0000

52.2425, 0.2706,
0.3553

52.2425, 0.2706,
0.3553

50.6136, 0.2622,
0.3635

54.2063, 0.2804,
0.3476

49.2933, 0.2553,
0.3720

56.5168, 0.2911,
0.3405

48.2616, 0.2503,
0.3808


59.1931, 0.3027,
0.3340


47.4935, 0.2472,
0.3897


62.2510, 0.3147,
0.3281

46.9595, 0.2461,
0.3987


65.7052, 0.3269,
0.3228


 46.6146, 0.2468,
0.4075

 69.5699, 0.3392,
0.3181

 46.5656, 0.2469,
0.4089

 70.6641, 0.3389,
0.3132

 70.9329, 0.3352,
0.3083

 71.2097, 0.3316,
0.3034

Harmonies

Analogous

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



52.2425, 0.3056, 0.3863



52.2425, 0.2706, 0.3553



52.2425, 0.2476, 0.3176

Triad

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



52.2425, 0.2706, 0.3553



52.2425, 0.2790, 0.2672



52.2425, 0.3896, 0.3650

Complementary

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



52.2425, 0.2706, 0.3553



30.3628, 0.3838, 0.3048

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.



52.2425, 0.3822, 0.3340



52.2425, 0.2706, 0.3553



52.2425, 0.3162, 0.2798

Square

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



52.2425, 0.2706, 0.3553



52.2425, 0.2523, 0.2690



52.2425, 0.3547, 0.3036



52.2425, 0.3751, 0.3894

Rectangle

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



52.2425, 0.2706, 0.3553



52.2425, 0.2414, 0.2954



52.2425, 0.3547, 0.3036



52.2425, 0.3897, 0.3550

Sweetspot

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



52.2446, 0.2706, 0.3553



94.1867, 0.2983, 0.3364



51.8558, 0.3216, 0.4402



20.0362, 0.2967, 0.3372



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.



52.2446, 0.2706, 0.3553



82.4335, 0.2636, 0.3619



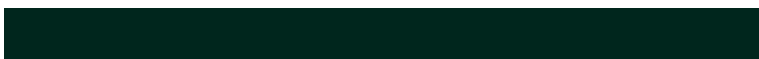
44.1864, 0.2557, 0.3013



12.6792, 0.3015, 0.3346



28.6859, 0.2466, 0.4076



1.4913, 0.2418, 0.3904

Inverse Universe

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



30.3628, 0.3838, 0.3048



42.1000, 0.4071, 0.2999



35.4332, 0.3971, 0.3546



11.2571, 0.3253, 0.3235



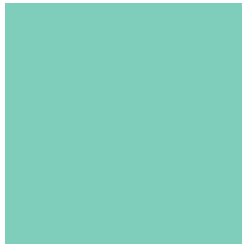
8.2320, 0.5941, 0.3047



0.4370, 0.5372, 0.2733

Previews

White Background



This preview shows how the Yxy color 52.2425, 0.2706, 0.3553 looks on a white background.

Color Contrast Check

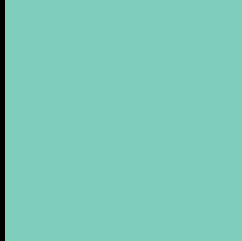
Large Text (above 18pt) WCAG AA × Fail

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 52.2425, 0.2706, 0.3553 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

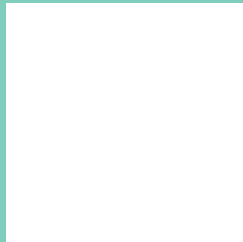
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2425, 0.2706, 0.3553

Background



This preview shows how black text looks on a background with the Yxy color 52.2425, 0.2706, 0.3553.



This preview shows how white text looks on a background with the Yxy color 52.2425, 0.2706, 0.3553.

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

52.2425, 0.2706, 0.3553

Protanopia

51.9116, 0.3278, 0.3440

Deuteranopia

51.4966, 0.3267, 0.3195



Tritanopia

52.4539, 0.2569, 0.3079

Trichromacy



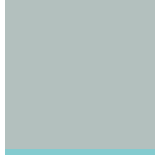
Original Color

52.2425, 0.2706, 0.3553



Protanomaly

51.5867, 0.3047, 0.3486



Deuteranomaly

51.0007, 0.3038, 0.3315



Tritanomaly

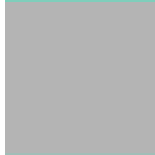
52.1224, 0.2615, 0.3235

Monochromacy



Original Color

52.2425, 0.2706, 0.3553



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.3912, 0.2948, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2425, 0.2706, 0.3553 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(127, 206, 187)` looks like.

```
.text, #text, p{  
    color:rgb(127, 206, 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(127, 206, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 206, 187) }
```

Border

The CSS property to change the border of an element to Yxy 52.2425, 0.2706, 0.3553 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(127, 206, 187) }
```

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

```
.border{ border-color:rgb(127, 206, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 206, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 206, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 206, 187); box-shadow:4px 4px 4px 4px rgb(127, 206, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2425, 0.2706, 0.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 206, 187) }
```

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

```
.background{ background-color: rgb(127,  
206, 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](#).

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