

Converting Colors

$Y_{xy}(52.8999, 0.2568, 0.3177)$

Have a look what the booklet for
Yxy(52.8999, 0.2568, 0.3177)
contains.

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Color

Yxy(53.1339, 0.2569, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	81CDD5
RGB	129, 205, 213
RGB Percent	51%, 80%, 84%
CMY	0.4940, 0.1961, 0.1647
CMYK	0.39, 0.04, 0.00, 0.16
HSL	186°, 50%, 67%
HSV	186°, 39%, 84%
XYZ	42.8979, 53.1339, 70.9510
YIQ	183.1880, -47.8640, -13.6240

Conversions

Conversions Part 2

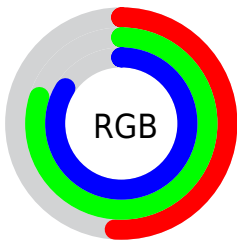
Format	Color
R _Y B	129, 169, 213
Decimal	8506837
CIE Lab	77.95, -21.44, -11.40
CIE LCh	78, 24.285, 208.004
Yxy	53.1339, 0.2569, 0.3182
Android (android.graphics.Color)	4286696917 (0xFF81CDD5)
YUV	183.1880, 14.6973, -47.5229
Hunter-Lab	72.8930, -22.5147, -6.6853

Details

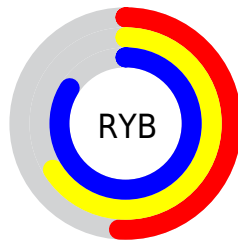
The Yxy color **53.1339, 0.2569, 0.3182** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.6338, 0.4071, 0.3393**, and the grayscale version is **47.4038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **26.0183, 0.2428, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **50.6722, 0.2457, 0.3151**, and if you desaturate by 10%, it is **55.9601, 0.2696, 0.3212**.

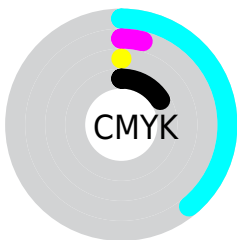
Distribution



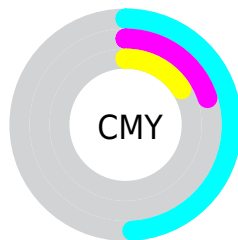
- Red (51%)
- Green (80%)
- Blue (84%)



- Red (51%)
- Yellow (66%)
- Blue (84%)



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (49%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1339, 0.2569, 0.3182 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 53.1339, 0.2569, 0.3182 by changing the saturation by 10% instead.


 53.1339, 0.2569,
0.3182


 53.1339, 0.2569,
0.3182


398.7986, 0.2837,
0.3240


 37.9097, 0.2506,
0.3166

 94.8014, 0.2664,
0.3204

 25.9126, 0.2426,
0.3146


 122.0134, 0.2700,
0.3212

 16.7583, 0.2324,
0.3117


 153.9902, 0.2731,
0.3219

 10.0623, 0.2187,
0.3076


191.1160, 0.2758,
0.3225

 5.4403, 0.1996,
0.3011

233.7754, 0.2781,
0.3229

 2.5078, 0.1714,
0.2900

282.3527, 0.2802,

 0.8806, 0.0984,

0.3234

0.2763

337.2323, 0.2820,
0.3237

0.0000, 0.0000,
0.0000

53.1339, 0.2569,
0.3182

53.1339, 0.2569,
0.3182

50.6722, 0.2457,
0.3151

55.9601, 0.2696,
0.3212

48.5469, 0.2361,
0.3118

59.1645, 0.2835,
0.3241

46.7358, 0.2284,
0.3085

62.7676, 0.2983,
0.3267

45.2113, 0.2226,
0.3052

66.7865, 0.3136,
0.3291

43.9407, 0.2187,
0.3019

71.2376, 0.3292,
0.3313

■ 42.8688, 0.2164,
0.2987

■ 75.7874, 0.3436,
0.3333

■ 42.8097, 0.2163,
0.2985

■ 76.8424, 0.3432,
0.3354

■ 77.9102, 0.3429,
0.3374

■ 78.9911, 0.3426,
0.3394

Harmonies

Analogous

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



53.1339, 0.2759, 0.3495



53.1339, 0.2569, 0.3182



53.1339, 0.2521, 0.2922

Triad

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



53.1339, 0.2569, 0.3182



53.1339, 0.3176, 0.2880



53.1339, 0.3643, 0.3809

Complementary

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



53.1339, 0.2569, 0.3182



33.6338, 0.4071, 0.3393

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.



53.1339, 0.3772, 0.3613



53.1339, 0.2569, 0.3182



53.1339, 0.3496, 0.3089

Square

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



53.1339, 0.2569, 0.3182



53.1339, 0.2858, 0.2767



53.1339, 0.3718, 0.3351



53.1339, 0.3377, 0.3871

Rectangle

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



53.1339, 0.2569, 0.3182



53.1339, 0.2574, 0.2811



53.1339, 0.3718, 0.3351



53.1339, 0.3704, 0.3755

Sweetspot

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



53.1360, 0.2569, 0.3182



92.8034, 0.2942, 0.3260



54.0403, 0.3030, 0.4390



19.7080, 0.2922, 0.3257



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.



53.1360, 0.2569, 0.3182



76.8262, 0.2477, 0.3157



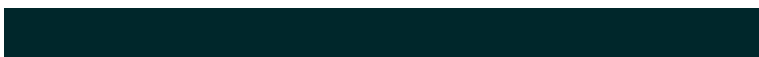
36.0307, 0.2480, 0.2602



13.8959, 0.2983, 0.3267



26.2298, 0.2164, 0.2990



1.6422, 0.2179, 0.3046

Inverse Universe

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



34.2619, 0.3250, 0.2404



45.1354, 0.3280, 0.2237



47.5799, 0.3868, 0.3888



12.6113, 0.3152, 0.3082



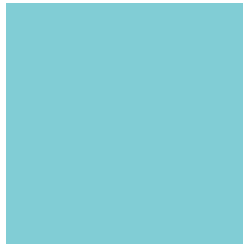
10.9928, 0.3463, 0.1681



0.6691, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 53.1339, 0.2569, 0.3182 looks on a white background.

Color Contrast Check

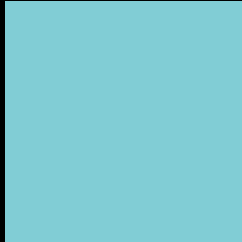
Large Text (above 18pt) WCAG AA × Fail

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 53.1339, 0.2569, 0.3182 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 53.1339, 0.2569, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 53.1339, 0.2569, 0.3182.

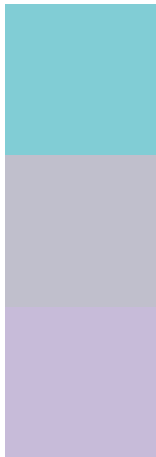


This preview shows how white text looks on a background with the Yxy color 53.1339, 0.2569, 0.3182.

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

53.1339, 0.2569, 0.3182

Protanopia

52.8277, 0.3039, 0.3131

Deuteranopia

52.6925, 0.3000, 0.2935



Tritanopia

53.1783, 0.2540, 0.3079

Trichromacy



Original Color

53.1339, 0.2569, 0.3182

Protanomaly

52.4199, 0.2846, 0.3150

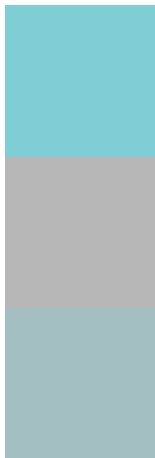
Deuteranomaly

52.5401, 0.2821, 0.3016

Tritanomaly

52.9413, 0.2551, 0.3117

Monochromacy



Original Color

53.1339, 0.2569, 0.3182

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.9432, 0.2886, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1339, 0.2569, 0.3182 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(129, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(129, 205, 213)  
}
```

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(129, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 205, 213) }
```

Border

The CSS property to change the border of an element to Yxy 53.1339, 0.2569, 0.3182 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(129, 205, 213) }
```

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

```
.border{ border-color:rgb(129, 205, 213) }
```

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

Here you see how a box with a 4 pixel rgb(129, 205, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 205, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 205, 213);  
box-shadow:4px 4px 4px 4px rgb(129, 205,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1339, 0.2569, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 205, 213) }
```

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

```
.background{ background-color: rgb(129,  
205, 213) }
```

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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