

Converting Colors

$Y_{xy}(53.1850, 0.2804, 0.3694)$

Have a look what the booklet for
Yxy(53.1850, 0.2804, 0.3694)
contains.

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Color

Yxy(53.3944, 0.2805, 0.3705)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 86D0B2 |
| RGB | 134, 208, 178 |
| RGB Percent | 53%, 82%, 70% |
| CMY | 0.4745, 0.1843, 0.3019 |
| CMYK | 0.36, 0.00, 0.14, 0.18 |
| HSL | 156°, 44%, 67% |
| HSV | 156°, 36%, 82% |
| XYZ | 40.4241, 53.3944, 50.2959 |
| YIQ | 182.4540, -34.4740, -25.0180 |

Conversions

Conversions Part 2

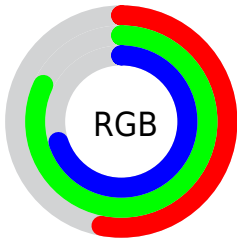
| Format | Color |
|--|---|
| RYB | 134, 180, 208 |
| Decimal | 8835250 |
| CIELab | 78.11, -29.62, 7.65 |
| CIELCh | 78, 30.593, 165.519 |
| Yxy | 53.3944, 0.2805, 0.3705 |
| Android (android.graphics.Color) | 4287025330 (0xFF86D0B2) |
| YUV | 182.4540, -2.1958, -42.4942 |
| Hunter-Lab | 73.0715, -29.1265, 10.3400 |

Details

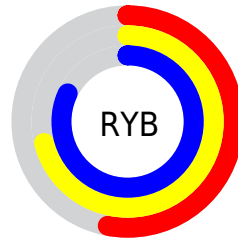
The Yxy color **53.3944, 0.2805, 0.3705** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.1434, 0.3626, 0.2914**, and the grayscale version is **47.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2793, 0.2853, 0.3517**, and **26.0125, 0.2721, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **51.5236, 0.2733, 0.3846**, and if you desaturate by 10%, it is **55.6265, 0.2888, 0.3574**.

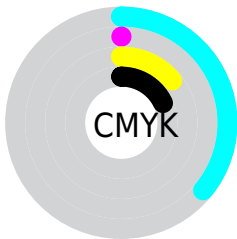
Distribution



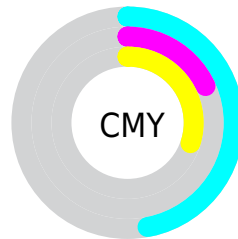
- Red (53%)
- Green (82%)
- Blue (70%)



- Red (53%)
- Yellow (71%)
- Blue (82%)



- Cyan (36%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)




- Cyan (47%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3944, 0.2805, 0.3705 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 53.3944, 0.2805, 0.3705 by changing the saturation by 10% instead.


 53.3944, 0.2805,
0.3705


 53.3944, 0.2805,
0.3705


399.7964, 0.2965,
0.3497


 38.1177, 0.2765,
0.3757


 95.1845, 0.2863,
0.3629

 26.0741, 0.2715,
0.3825

 122.4666, 0.2885,
0.3601

 16.8791, 0.2648,
0.3915


 154.5194, 0.2903,
0.3577

 10.1483, 0.2555,
0.4041

191.7272, 0.2919,
0.3556

 5.4974, 0.2419,
0.4230

234.4744, 0.2933,
0.3538

 2.5420, 0.2199,
0.4544

283.1454, 0.2945,

 0.8976, 0.0884,

0.3523

0.6106

338.1246, 0.2955,
0.3509

0.0000, 0.0000,
0.0000

53.3944, 0.2805,
0.3705

53.3944, 0.2805,
0.3705

51.5236, 0.2733,
0.3846

55.6265, 0.2888,
0.3574

49.9875, 0.2674,
0.3995

58.2319, 0.2978,
0.3454

48.7659, 0.2632,
0.4151


61.2300, 0.3073,
0.3346

47.8338, 0.2610,
0.4309


64.6370, 0.3170,
0.3248

47.1622, 0.2607,
0.4467

68.4681, 0.3268,
0.3162


 46.7154, 0.2625,
0.4622

 72.0080, 0.3335,
0.3084

 46.5601, 0.2636,
0.4689

 72.4895, 0.3274,
0.3001

 72.9942, 0.3215,
0.2920

 73.5225, 0.3156,
0.2841

Harmonies

Analogous

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



53.3944, 0.3199, 0.3973



53.3944, 0.2805, 0.3705



53.3944, 0.2510, 0.3311

Triad

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



53.3944, 0.2805, 0.3705



53.3944, 0.2652, 0.2628



53.3944, 0.3940, 0.3552

Complementary

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



53.3944, 0.2805, 0.3705



33.1434, 0.3626, 0.2914

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.



53.3944, 0.3778, 0.3220



53.3944, 0.2805, 0.3705



53.3944, 0.3013, 0.2708

Square

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



53.3944, 0.2805, 0.3705



53.3944, 0.2427, 0.2704



53.3944, 0.3429, 0.2920



53.3944, 0.3866, 0.3846

Rectangle

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



53.3944, 0.2805, 0.3705



53.3944, 0.2401, 0.3055



53.3944, 0.3429, 0.2920



53.3944, 0.3912, 0.3442

Sweetspot

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



53.3966, 0.2805, 0.3705



94.3518, 0.3020, 0.3404



54.8167, 0.3306, 0.4280



20.0580, 0.3007, 0.3420



0.0000, 0.0000, 0.0000



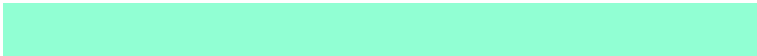
21.4041, 0.3127, 0.3290

Same Dimension

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



53.3966, 0.2805, 0.3705



82.2519, 0.2747, 0.3816



51.7876, 0.2619, 0.3206



13.3226, 0.3036, 0.3386



29.0376, 0.2630, 0.4667



1.6391, 0.2552, 0.4386

Inverse Universe

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



33.1434, 0.3626, 0.2914



45.3271, 0.3789, 0.2830



33.9389, 0.3945, 0.3371



11.8866, 0.3228, 0.3196



8.7780, 0.5339, 0.2715



0.5064, 0.4858, 0.2450

Previews

White Background



This preview shows how the Yxy color 53.3944, 0.2805, 0.3705 looks on a white background.

Color Contrast Check

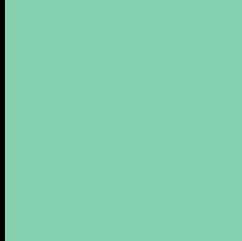
Large Text (above 18pt) WCAG AA × Fail

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 53.3944, 0.2805, 0.3705 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

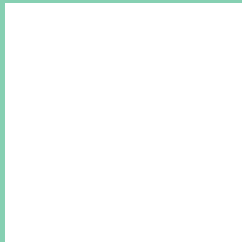
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3944, 0.2805, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 53.3944, 0.2805, 0.3705.



This preview shows how white text looks on a background with the Yxy color 53.3944, 0.2805, 0.3705.

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

53.3944, 0.2805, 0.3705

Protanopia

52.9814, 0.3380, 0.3575

Deuteranopia

52.8329, 0.3390, 0.3326



Tritanopia

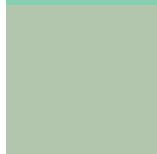
53.1952, 0.2610, 0.3069

Trichromacy



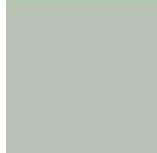
Original Color

53.3944, 0.2805, 0.3705



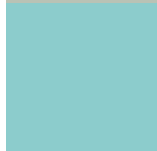
Protanomaly

52.7138, 0.3151, 0.3628



Deuteranomaly

52.2341, 0.3152, 0.3456



Tritanomaly

53.1208, 0.2681, 0.3289

Monochromacy



Original Color

53.3944, 0.2805, 0.3705



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

48.5971, 0.2993, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3944, 0.2805, 0.3705 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(134, 208, 178)` looks like.

```
.text, #text, p{  
    color:rgb(134, 208, 178)  
}
```

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(134, 208, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 208, 178) }
```

Border

The CSS property to change the border of an element to Yxy 53.3944, 0.2805, 0.3705 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(134, 208, 178) }
```

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

```
.border{ border-color:rgb(134, 208, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 208, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 208, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 208, 178);  
box-shadow:4px 4px 4px 4px rgb(134, 208,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3944, 0.2805, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 208, 178) }
```

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

```
.background{ background-color: rgb(134,  
208, 178) }
```

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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