

Converting Colors

Yxy(53.0998, 0.2846, 0.3809)

Have a look what the booklet for
Yxy(53.0998, 0.2846, 0.3809)
contains.

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Color

Yxy(53.1204, 0.2848, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	86D0AB
RGB	134, 208, 171
RGB Percent	53%, 82%, 67%
CMY	0.4744, 0.1843, 0.3295
CMYK	0.36, 0.00, 0.18, 0.18
HSL	150°, 44%, 67%
HSV	150°, 36%, 82%
XYZ	39.7391, 53.1204, 46.6740
YIQ	181.6560, -32.2270, -27.1950

Conversions

Conversions Part 2

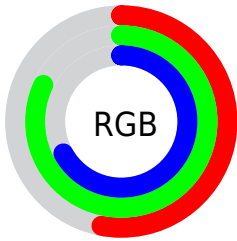
Format	Color
RYB	134, 183, 208
Decimal	8835243
CIELab	77.95, -31.06, 11.18
CIElCh	78, 33.011, 160.211
Yxy	53.1204, 0.2848, 0.3807
Android (android.graphics.Color)	4287025323 (0xFF86D0AB)
YUV	181.6560, -5.2534, -41.7943
Hunter-Lab	72.8837, -30.2212, 13.0500

Details

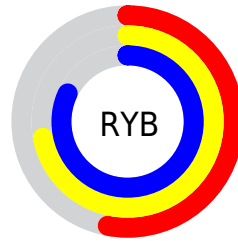
The Yxy color **53.1204, 0.2848, 0.3807** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.4102, 0.3548, 0.2829**, and the grayscale version is **46.6277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8298, 0.2894, 0.3607**, and **25.8637, 0.2767, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **51.1963, 0.2785, 0.3984**, and if you desaturate by 10%, it is **55.4163, 0.2920, 0.3643**.

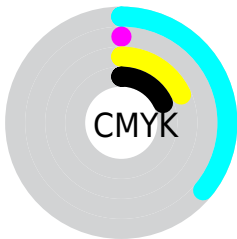
Distribution



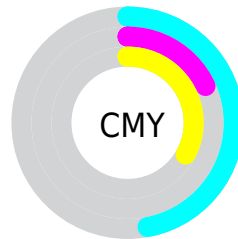
- Red (53%)
- Green (82%)
- Blue (67%)



- Red (53%)
- Yellow (72%)
- Blue (82%)



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





- Cyan (47%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1204, 0.2848, 0.3807 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 53.1204, 0.2848, 0.3807 by changing the saturation by 10% instead.


 53.1204, 0.2848,
0.3807


 53.1204, 0.2848,
0.3807


398.7469, 0.2989,
0.3545

 37.8989, 0.2813,
0.3873

 94.7815, 0.2899,
0.3711

 25.9042, 0.2767,
0.3959


 121.9899, 0.2919,
0.3675

 16.7520, 0.2706,
0.4075


 153.9627, 0.2935,
0.3645

 10.0578, 0.2620,
0.4238

191.0843, 0.2949,
0.3619

 5.4373, 0.2491,
0.4484

233.7392, 0.2961,
0.3597

 2.5061, 0.2276,
0.4899

282.3116, 0.2971,

 0.8797, 0.0686,

0.3577

0.7757

337.1861, 0.2981,
0.3560

0.0000, 0.0000,
0.0000

53.1204, 0.2848,
0.3807

53.1204, 0.2848,
0.3807

51.1963, 0.2785,
0.3984

55.4163, 0.2920,
0.3643

49.6170, 0.2735,
0.4172

58.0962, 0.2999,
0.3493

48.3619, 0.2701,
0.4367


61.1800, 0.3081,
0.3359


47.4058, 0.2686,
0.4564


64.6841, 0.3164,
0.3238

46.7191, 0.2690,
0.4758


68.6241, 0.3247,
0.3132

 46.2658, 0.2715,
0.4943

 72.2811, 0.3300,
0.3036

 46.1099, 0.2728,
0.5022

 72.8954, 0.3226,
0.2936

 73.5453, 0.3154,
0.2838

 73.5926, 0.3149,
0.2831

Harmonies

Analogous

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



53.1204, 0.3280, 0.4059



53.1204, 0.2848, 0.3807



53.1204, 0.2506, 0.3389

Triad

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



53.1204, 0.2848, 0.3807



53.1204, 0.2560, 0.2580



53.1204, 0.3994, 0.3506

Complementary

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



53.1204, 0.2848, 0.3807



33.4102, 0.3548, 0.2829

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.



53.1204, 0.3776, 0.3151



53.1204, 0.2848, 0.3807



53.1204, 0.2926, 0.2639

Square

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



53.1204, 0.2848, 0.3807



53.1204, 0.2351, 0.2690



53.1204, 0.3374, 0.2844



53.1204, 0.3957, 0.3837

Rectangle

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



53.1204, 0.2848, 0.3807



53.1204, 0.2369, 0.3103



53.1204, 0.3374, 0.2844



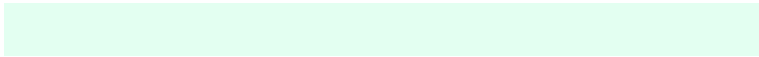
53.1204, 0.3948, 0.3387

Sweetspot

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



53.1226, 0.2848, 0.3807



94.1913, 0.3035, 0.3432



55.6333, 0.3365, 0.4261



20.0197, 0.3024, 0.3451



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.



53.1226, 0.2848, 0.3807



81.7472, 0.2797, 0.3947



54.6769, 0.2637, 0.3305



13.3034, 0.3049, 0.3409



28.7572, 0.2722, 0.4997



1.6239, 0.2628, 0.4661

Inverse Universe

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



33.4102, 0.3548, 0.2829



45.7989, 0.3682, 0.2726



32.2245, 0.3959, 0.3277



11.9055, 0.3213, 0.3174



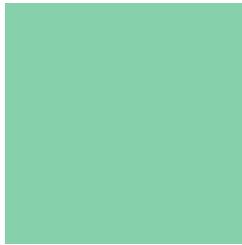
9.0016, 0.4943, 0.2496



0.5193, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 53.1204, 0.2848, 0.3807 looks on a white background.

Color Contrast Check

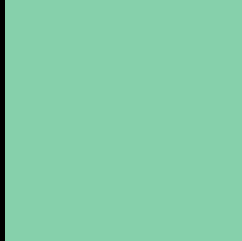
Large Text (above 18pt) WCAG AA × Fail

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 53.1204, 0.2848, 0.3807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

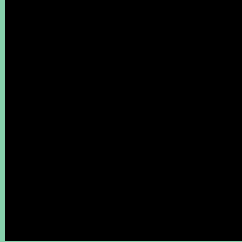
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.1204, 0.2848, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 53.1204, 0.2848, 0.3807.

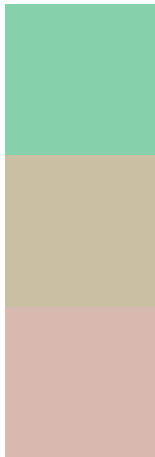


This preview shows how white text looks on a background with the Yxy color 53.1204, 0.2848, 0.3807.

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

53.1204, 0.2848, 0.3807

Protanopia

52.4625, 0.3439, 0.3638

Deuteranopia

52.4314, 0.3467, 0.3398



Tritanopia

53.2323, 0.2621, 0.3082

Trichromacy



Original Color

53.1204, 0.2848, 0.3807



Protanomaly

52.0328, 0.3196, 0.3696



Deuteranomaly

51.6350, 0.3214, 0.3533



Tritanomaly

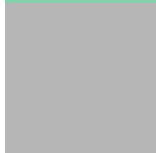
52.9782, 0.2699, 0.3329

Monochromacy



Original Color

53.1204, 0.2848, 0.3807



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

48.4753, 0.3015, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1204, 0.2848, 0.3807 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(134, 208, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 208, 171) }
```

Border

The CSS property to change the border of an element to Yxy 53.1204, 0.2848, 0.3807 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, 171) }
```

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

```
.border{ border-color:rgb(134, 208, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 208, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 208, 171);  
box-shadow:4px 4px 4px 4px rgb(134, 208,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1204, 0.2848, 0.3807 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, 171) }
```

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

```
.background{ background-color: rgb(134,  
208, 171) }
```

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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