

Converting Colors

Yxy(50.8753, 0.2818, 0.3683)

Have a look what the booklet for
Yxy(50.8753, 0.2818, 0.3683)
contains.

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Color

Yxy(50.8753, 0.2818, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	86CBAF
RGB	134, 203, 175
RGB Percent	53%, 80%, 69%
CMY	0.4745, 0.2039, 0.3137
CMYK	0.34, 0.00, 0.14, 0.20
HSL	156°, 40%, 66%
HSV	156°, 34%, 80%
XYZ	38.9266, 50.8753, 48.3336
YIQ	179.1770, -32.1360, -23.3360

Conversions

Conversions Part 2

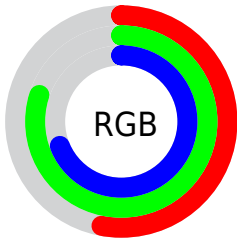
Format	Color
RYB	134, 177, 203
Decimal	8833967
CIELab	76.60, -27.84, 7.09
CIELCh	77, 28.730, 165.704
Yxy	50.8753, 0.2818, 0.3683
Android (android.graphics.Color)	4287024047 (0xFF86CBAF)
YUV	179.1770, -2.0593, -39.6202
Hunter-Lab	71.3269, -27.4060, 9.7519

Details

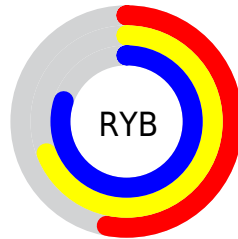
The Yxy color **50.8753, 0.2818, 0.3683** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.3560, 0.3595, 0.2932**, and the grayscale version is **45.2043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1083, 0.2868, 0.3551**, and **24.6743, 0.2727, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **49.0525, 0.2744, 0.3822**, and if you desaturate by 10%, it is **53.0421, 0.2902, 0.3554**.

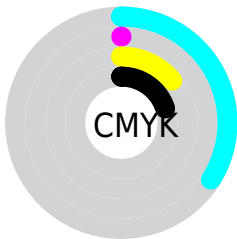
Distribution



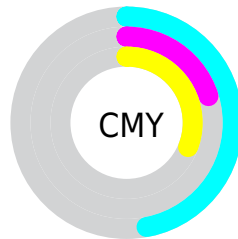
- Red (53%)
- Green (80%)
- Blue (69%)



- Red (53%)
- Yellow (69%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)



- Cyan (47%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8753, 0.2818, 0.3683 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 50.8753, 0.2818, 0.3683 by changing the saturation by 10% instead.

■ 50.8753, 0.2818,
0.3683

■ 50.8753, 0.2818,
0.3683

390.0791, 0.2973,
0.3484

■ 36.1094, 0.2779,
0.3733

■ 91.4704, 0.2874,
0.3610

■ 24.5187, 0.2730,
0.3798

■ 118.0684, 0.2895,
0.3583

■ 15.7188, 0.2664,
0.3886

■ 149.3792, 0.2913,
0.3560

■ 9.3254, 0.2572,
0.4009

185.7872, 0.2928,
0.3541

■ 4.9540, 0.2435,
0.4196

227.6768, 0.2942,
0.3524

■ 2.2203, 0.2211,
0.4512

275.4324, 0.2953,

■ 0.7310, 0.0145,

0.3509

0.6987

329.4383, 0.2963,
0.3496

0.0000, 0.0000,
0.0000

50.8753, 0.2818,
0.3683

50.8753, 0.2818,
0.3683

49.0525, 0.2744,
0.3822

53.0421, 0.2902,
0.3554

47.5488, 0.2683,
0.3970

55.5641, 0.2993,
0.3436

46.3457, 0.2638,
0.4125


58.4592, 0.3089,
0.3329

45.4200, 0.2612,
0.4283


61.7426, 0.3186,
0.3234

44.7452, 0.2606,
0.4441


65.4285, 0.3283,
0.3149

 44.2891, 0.2620,
0.4596

 69.3775, 0.3372,
0.3074

 44.0853, 0.2635,
0.4687

 69.8363, 0.3311,
0.2993

 70.3170, 0.3251,
0.2914

 70.8200, 0.3192,
0.2836

Harmonies

Analogous

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



50.8753, 0.3194, 0.3939



50.8753, 0.2818, 0.3683



50.8753, 0.2536, 0.3309

Triad

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



50.8753, 0.2818, 0.3683



50.8753, 0.2675, 0.2656



50.8753, 0.3903, 0.3545

Complementary

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



50.8753, 0.2818, 0.3683



32.3560, 0.3595, 0.2932

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.



50.8753, 0.3749, 0.3226



50.8753, 0.2818, 0.3683



50.8753, 0.3021, 0.2734

Square

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



50.8753, 0.2818, 0.3683



50.8753, 0.2458, 0.2729



50.8753, 0.3418, 0.2938



50.8753, 0.3832, 0.3824

Rectangle

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



50.8753, 0.2818, 0.3683



50.8753, 0.2432, 0.3065



50.8753, 0.3418, 0.2938



50.8753, 0.3876, 0.3439

Sweetspot

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



50.8774, 0.2818, 0.3683



94.8321, 0.3030, 0.3394



52.1948, 0.3300, 0.4230



20.1538, 0.3016, 0.3409



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.



50.8774, 0.2818, 0.3683



82.8304, 0.2761, 0.3787



49.4277, 0.2639, 0.3210



12.6470, 0.3037, 0.3386



28.0734, 0.2630, 0.4666



1.4631, 0.2546, 0.4367

Inverse Universe

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



32.3560, 0.3595, 0.2932



47.0603, 0.3745, 0.2851



33.1021, 0.3893, 0.3367



11.2878, 0.3227, 0.3196



8.4880, 0.5336, 0.2713



0.4528, 0.4824, 0.2431

Previews

White Background



This preview shows how the Yxy color 50.8753, 0.2818, 0.3683 looks on a white background.

Color Contrast Check

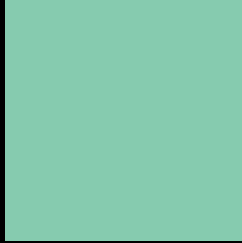
Large Text (above 18pt) WCAG AA × Fail

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 50.8753, 0.2818, 0.3683 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

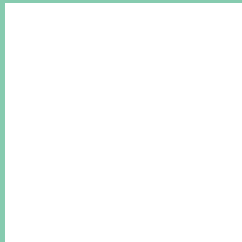
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8753, 0.2818, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 50.8753, 0.2818, 0.3683.



This preview shows how white text looks on a background with the Yxy color 50.8753, 0.2818, 0.3683.

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

50.8753, 0.2818, 0.3683

Protanopia

50.4922, 0.3361, 0.3556

Deuteranopia

50.4122, 0.3395, 0.3327



Tritanopia

51.0319, 0.2637, 0.3092

Trichromacy



Original Color

50.8753, 0.2818, 0.3683

Protanomaly

49.9264, 0.3137, 0.3596

Deuteranomaly

49.9863, 0.3153, 0.3445

Tritanomaly

51.0075, 0.2705, 0.3302

Monochromacy



Original Color

50.8753, 0.2818, 0.3683

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.9673, 0.2999, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8753, 0.2818, 0.3683 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, 203, 175)` looks like.

```
.text, #text, p{  
    color:rgb(134, 203, 175)  
}
```

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, 203, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 203, 175) }
```

Border

The CSS property to change the border of an element to Yxy 50.8753, 0.2818, 0.3683 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, 203, 175) }
```

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

```
.border{ border-color:rgb(134, 203, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 203, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 203, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 203, 175);  
box-shadow:4px 4px 4px 4px rgb(134, 203,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8753, 0.2818, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 203, 175) }
```

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

```
.background{ background-color: rgb(134,  
203, 175) }
```

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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