

Converting Colors

$Yxy(53.4409, 0.2648, 0.4018)$

Have a look what the booklet for
Yxy(53.4409, 0.2648, 0.4018)
contains.

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Color

Yxy(53.4288, 0.2644, 0.4012)

Conversions

Conversions Part 1

Format	Color
Hex	58D7A6
RGB	88, 215, 166
RGB Percent	35%, 84%, 65%
CMY	0.6547, 0.1569, 0.3490
CMYK	0.59, 0.00, 0.23, 0.16
HSL	157°, 61%, 59%
HSV	157°, 59%, 84%
XYZ	35.2108, 53.4288, 44.5329
YIQ	171.4410, -59.9630, -42.1630

Conversions

Conversions Part 2

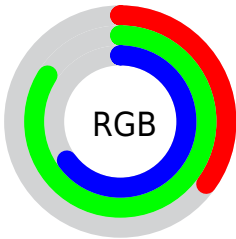
Format	Color
RYB	88, 167, 215
Decimal	5822374
CIELab	78.13, -46.62, 13.83
CIELCh	78, 48.630, 163.476
Yxy	53.4288, 0.2644, 0.4012
Android (android.graphics.Color)	4284012454 (0xFF58D7A6)
YUV	171.4410, -2.6824, -73.1778
Hunter-Lab	73.0950, -41.9305, 15.0443

Details

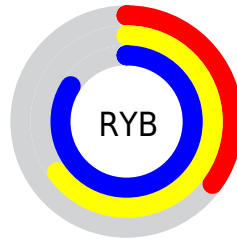
The Yxy color **53.4288, 0.2644, 0.4012** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.2415, 0.4212, 0.2717**, and the grayscale version is **41.0012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0364, 0.2709, 0.3686**, and **26.0112, 0.2507, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **52.2365, 0.2607, 0.4161**, and if you desaturate by 10%, it is **54.9544, 0.2699, 0.3868**.

Distribution



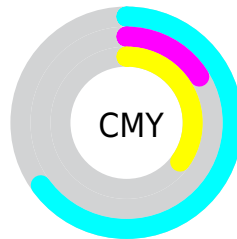
- Red (35%)
- Green (84%)
- Blue (65%)



- Red (35%)
- Yellow (65%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)





- Cyan (65%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.4288, 0.2644, 0.4012 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 53.4288, 0.2644, 0.4012 by changing the saturation by 10% instead.

 53.4288, 0.2644,
0.4012

 53.4288, 0.2644,
0.4012


399.9281, 0.2887,
0.3643


 38.1452, 0.2583,
0.4107


 95.2350, 0.2733,
0.3876


 26.0954, 0.2505,
0.4229


 122.5265, 0.2766,
0.3825

 16.8950, 0.2400,
0.4395


 154.5893, 0.2794,
0.3783

 10.1597, 0.2255,
0.4630

 191.8079, 0.2818,
0.3747

 5.5050, 0.2039,
0.4987

234.5667, 0.2839,
0.3715

 2.5465, 0.1688,
0.5588

283.2500, 0.2857,

 0.8998, 0.0000,

0.3688

0.9860

338.2424, 0.2873,
0.3664

■ 0.0000, 0.0000,
0.0000

■ 53.4288, 0.2644,
0.4012

■ 53.4288, 0.2644,
0.4012

■ 52.2365, 0.2607,
0.4161

■ 54.9544, 0.2699,
0.3868

■ 51.3426, 0.2590,
0.4312

■ 56.8319, 0.2768,
0.3731

■ 50.7157, 0.2594,
0.4462

■ 59.0860, 0.2850,
0.3603

■ 50.3021, 0.2615,
0.4608

■ 61.7372, 0.2941,
0.3485

■ 50.2672, 0.2617,
0.4621

■ 64.8048, 0.3037,
0.3378

■ 68.3065, 0.3137,
0.3281

■ 72.2591, 0.3237,
0.3195

■ 75.7089, 0.3300,
0.3117

■ 76.1928, 0.3242,
0.3036

Harmonies

Analogous

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



53.4288, 0.3254, 0.4433



53.4288, 0.2644, 0.4012



53.4288, 0.2193, 0.3346

Triad

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



53.4288, 0.2644, 0.4012



53.4288, 0.2358, 0.2284



53.4288, 0.4414, 0.3616

Complementary

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



53.4288, 0.2644, 0.4012



23.2415, 0.4212, 0.2717

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.



53.4288, 0.4135, 0.3126



53.4288, 0.2644, 0.4012



53.4288, 0.2891, 0.2398

Square

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



53.4288, 0.2644, 0.4012



53.4288, 0.2050, 0.2393



53.4288, 0.3552, 0.2696



53.4288, 0.4298, 0.4090

Rectangle

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



53.4288, 0.2644, 0.4012



53.4288, 0.2029, 0.2928



53.4288, 0.3552, 0.2696



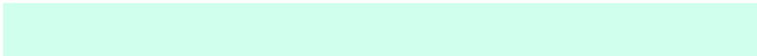
53.4288, 0.4365, 0.3450

Sweetspot

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



53.4309, 0.2644, 0.4012



91.2210, 0.2949, 0.3475



54.7803, 0.3355, 0.5010



19.2630, 0.2922, 0.3508



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.



53.4309, 0.2644, 0.4012



76.4818, 0.2601, 0.4201



49.3673, 0.2362, 0.3111



14.0229, 0.3033, 0.3382



30.0872, 0.2611, 0.4599



1.8307, 0.2541, 0.4347

Inverse Universe

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



23.2415, 0.4212, 0.2717



28.1592, 0.4593, 0.2655



24.4096, 0.4850, 0.3440



12.4994, 0.3231, 0.3200



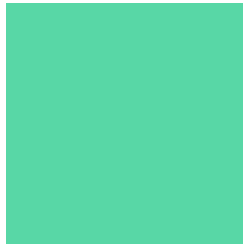
9.0337, 0.5421, 0.2760



0.5608, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 53.4288, 0.2644, 0.4012 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 53.4288, 0.2644, 0.4012 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

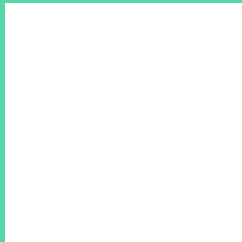
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.4288, 0.2644, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 53.4288, 0.2644, 0.4012.



This preview shows how white text looks on a background with the Yxy color 53.4288, 0.2644, 0.4012.

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

53.4288, 0.2644, 0.4012

Protanopia

52.3247, 0.3512, 0.3737

Deuteranopia

52.4668, 0.3501, 0.3433



Tritanopia

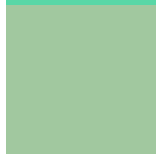
53.1956, 0.2415, 0.3062

Trichromacy



Original Color

53.4288, 0.2644, 0.4012



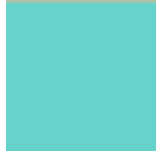
Protanomaly

51.3888, 0.3116, 0.3849



Deuteranomaly

50.9282, 0.3111, 0.3636



Tritanomaly

53.1717, 0.2495, 0.3385

Monochromacy



Original Color

53.4288, 0.2644, 0.4012



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.0679, 0.2893, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4288, 0.2644, 0.4012 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(88, 215, 166)` looks like.

```
.text, #text, p{  
    color:rgb(88, 215, 166)  
}
```

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(88, 215, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 215, 166) }
```

Border

The CSS property to change the border of an element to Yxy 53.4288, 0.2644, 0.4012 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(88, 215, 166) }
```

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

```
.border{ border-color:rgb(88, 215, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 215, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 215, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 215, 166);  
box-shadow:4px 4px 4px 4px rgb(88, 215,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4288, 0.2644, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 215, 166) }
```

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

```
.background{ background-color: rgb(88, 215,  
166) }
```

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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