

Converting Colors

$Yxy(51.5312, 0.2641, 0.3882)$

Have a look what the booklet for
Yxy(51.5312, 0.2641, 0.3882)
contains.

Yxy(51.4284, 0.2642, 0.3880)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.4284, 0.2642, 0.3880)

Conversions

Conversions Part 1

Format	Color
Hex	5FD2AA
RGB	95, 210, 170
RGB Percent	37%, 82%, 67%
CMY	0.6275, 0.1764, 0.3334
CMYK	0.55, 0.00, 0.19, 0.18
HSL	159°, 56%, 60%
HSV	159°, 55%, 82%
XYZ	35.0190, 51.4284, 46.1000
YIQ	171.0550, -55.7000, -36.8200

Conversions

Conversions Part 2

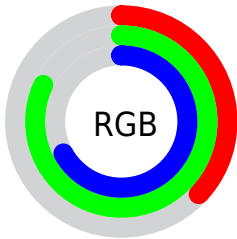
Format	Color
RYB	95, 165, 210
Decimal	6279850
CIELab	76.94, -42.15, 10.06
CIELCh	77, 43.330, 166.578
Yxy	51.4284, 0.2642, 0.3880
Android (android.graphics.Color)	4284469930 (0xFF5FD2AA)
YUV	171.0550, -0.5201, -66.7002
Hunter-Lab	71.7136, -38.3341, 12.0858

Details

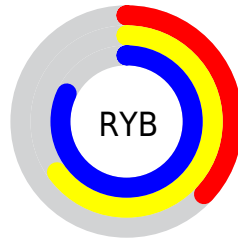
The Yxy color **51.4284, 0.2642, 0.3880** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **23.6354, 0.4156, 0.2803**, and the grayscale version is **40.7764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7285, 0.2713, 0.3635**, and **24.9574, 0.2503, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **50.1845, 0.2594, 0.4011**, and if you desaturate by 10%, it is **52.9948, 0.2707, 0.3754**.

Distribution



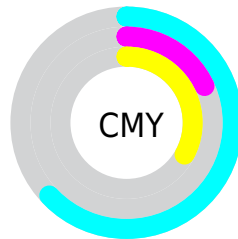
- Red (37%)
- Green (82%)
- Blue (67%)



- Red (37%)
- Yellow (65%)
- Blue (82%)



- Cyan (55%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)





- Cyan (63%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4284, 0.2642, 0.3880 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 51.4284, 0.2642, 0.3880 by changing the saturation by 10% instead.

 51.4284, 0.2642,
0.3880


 51.4284, 0.2642,
0.3880


392.2259, 0.2885,
0.3579


 36.5497, 0.2581,
0.3957


 92.2877, 0.2730,
0.3769

 24.8590, 0.2504,
0.4057


 119.0371, 0.2763,
0.3728

 15.9720, 0.2400,
0.4191


 150.5121, 0.2791,
0.3693

 9.5044, 0.2257,
0.4382

 187.0972, 0.2816,
0.3664

 5.0716, 0.2045,
0.4672

229.1767, 0.2836,
0.3638

 2.2893, 0.1700,
0.5166

277.1351, 0.2855,

 0.7681, 0.0000,

0.3616

0.8523

331.3567, 0.2871,
0.3596

0.0000, 0.0000,
0.0000

51.4284, 0.2642,
0.3880

51.4284, 0.2642,
0.3880

50.1845, 0.2594,
0.4011

52.9948, 0.2707,
0.3754

49.2319, 0.2565,
0.4145

54.9001, 0.2786,
0.3635

48.5432, 0.2556,
0.4280

57.1665, 0.2876,
0.3524

48.0831, 0.2567,
0.4413

59.8130, 0.2974,
0.3423

47.9004, 0.2578,
0.4481

62.8569, 0.3077,
0.3331

■ 66.3144, 0.3183,
0.3248

■ 70.2010, 0.3289,
0.3174

■ 72.9829, 0.3334,
0.3105

■ 73.3985, 0.3281,
0.3034

Harmonies

Analogous

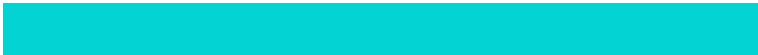
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4284, 0.3190, 0.4290



51.4284, 0.2642, 0.3880



51.4284, 0.2248, 0.3284

Triad

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



51.4284, 0.2642, 0.3880



51.4284, 0.2470, 0.2372



51.4284, 0.4296, 0.3645

Complementary

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



51.4284, 0.2642, 0.3880



23.6354, 0.4156, 0.2803

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.



51.4284, 0.4078, 0.3191



51.4284, 0.2642, 0.3880



51.4284, 0.2975, 0.2495

Square

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



51.4284, 0.2642, 0.3880



51.4284, 0.2161, 0.2454



51.4284, 0.3574, 0.2785



51.4284, 0.4163, 0.4066

Rectangle

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



51.4284, 0.2642, 0.3880



51.4284, 0.2111, 0.2917



51.4284, 0.3574, 0.2785



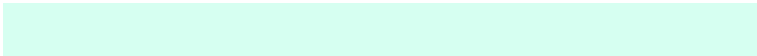
51.4284, 0.4262, 0.3493

Sweetspot

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



51.4305, 0.2642, 0.3880



92.1852, 0.2960, 0.3436



52.0940, 0.3307, 0.4902



19.5416, 0.2939, 0.3457



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.



51.4305, 0.2642, 0.3880



77.5369, 0.2587, 0.4038



45.1174, 0.2385, 0.3042



13.3343, 0.3029, 0.3372



29.2360, 0.2573, 0.4462



1.6494, 0.2506, 0.4220

Inverse Universe

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



23.6354, 0.4156, 0.2803



30.0806, 0.4527, 0.2737



26.1710, 0.4614, 0.3504



11.8752, 0.3237, 0.3209



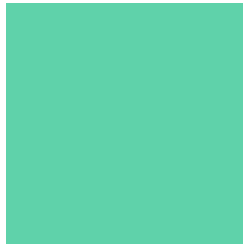
8.6691, 0.5568, 0.2841



0.4996, 0.5053, 0.2557

Previews

White Background



This preview shows how the Yxy color 51.4284, 0.2642, 0.3880 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 51.4284, 0.2642, 0.3880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

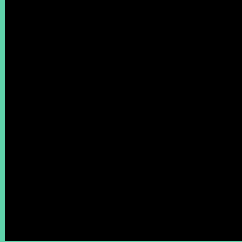
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

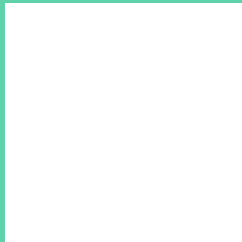
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4284, 0.2642, 0.3880

Background



This preview shows how black text looks on a background with the Yxy color 51.4284, 0.2642, 0.3880.

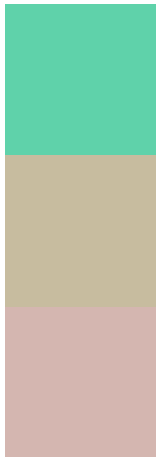


This preview shows how white text looks on a background with the Yxy color 51.4284, 0.2642, 0.3880.

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

51.4284, 0.2642, 0.3880

Protanopia

50.6118, 0.3452, 0.3655

Deuteranopia

50.5875, 0.3438, 0.3363



Tritanopia

51.2587, 0.2437, 0.3059

Trichromacy



Original Color

51.4284, 0.2642, 0.3880



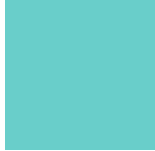
Protanomaly

49.7013, 0.3090, 0.3742



Deuteranomaly

49.1903, 0.3076, 0.3531



Tritanomaly

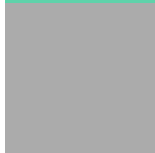
51.4101, 0.2508, 0.3344

Monochromacy



Original Color

51.4284, 0.2642, 0.3880



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.4778, 0.2893, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4284, 0.2642, 0.3880 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(95, 210, 170)` looks like.

```
.text, #text, p{  
    color:rgb(95, 210, 170)  
}
```

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(95, 210, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 210, 170) }
```

Border

The CSS property to change the border of an element to Yxy 51.4284, 0.2642, 0.3880 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(95, 210, 170) }
```

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

```
.border{ border-color:rgb(95, 210, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 210, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 210, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 210, 170);  
box-shadow:4px 4px 4px 4px rgb(95, 210,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4284, 0.2642, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 210, 170) }
```

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

```
.background{ background-color: rgb(95, 210,  
170) }
```

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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