

Converting Colors

$Yxy(51.5317, 0.2546, 0.3725)$

Have a look what the booklet for
Yxy(51.5317, 0.2546, 0.3725)
contains.

Yxy(51.4078, 0.2545, 0.3714)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.4078, 0.2545, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	56D2B5
RGB	86, 210, 181
RGB Percent	34%, 82%, 71%
CMY	0.6626, 0.1765, 0.2902
CMYK	0.59, 0.00, 0.14, 0.18
HSL	166°, 58%, 58%
HSV	166°, 59%, 82%
XYZ	35.2269, 51.4078, 51.7815
YIQ	169.6180, -64.5950, -35.3070

Conversions

Conversions Part 2

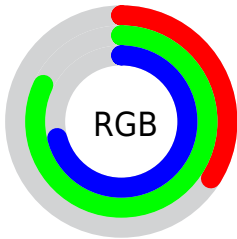
Format	Color
RYB	86, 156, 210
Decimal	5690037
CIELab	76.93, -41.39, 4.10
CIElCh	77, 41.588, 174.336
Yxy	51.4078, 0.2545, 0.3714
Android (android.graphics.Color)	428388017 (0xFF56D2B5)
YUV	169.6180, 5.6113, -73.3330
Hunter-Lab	71.6992, -37.7739, 7.3699

Details

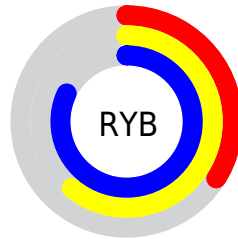
The Yxy color **51.4078, 0.2545, 0.3714** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **21.6018, 0.4505, 0.2948**, and the grayscale version is **39.9996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7454, 0.2625, 0.3495**, and **25.0012, 0.2401, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **50.3566, 0.2496, 0.3800**, and if you desaturate by 10%, it is **52.7630, 0.2613, 0.3631**.

Distribution



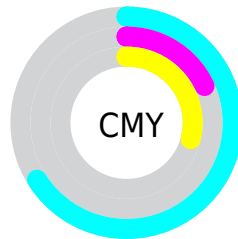
- Red (34%)
- Green (82%)
- Blue (71%)



- Red (34%)
- Yellow (61%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4078, 0.2545, 0.3714 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 51.4078, 0.2545, 0.3714 by changing the saturation by 10% instead.


 51.4078, 0.2545,
0.3714


 51.4078, 0.2545,
0.3714


392.1461, 0.2832,
0.3502

 36.5333, 0.2475,
0.3767


 92.2573, 0.2648,
0.3637

 24.8463, 0.2386,
0.3834


 119.0010, 0.2687,
0.3608

 15.9626, 0.2270,
0.3924


 150.4699, 0.2720,
0.3584

 9.4977, 0.2111,
0.4049

 187.0484, 0.2749,
0.3563

 5.0672, 0.1883,
0.4233

229.1209, 0.2773,
0.3545

 2.2867, 0.1527,
0.4532

277.0717, 0.2795,

 0.7667, 0.0000,

0.3529

0.5833

331.2853, 0.2814,
0.3515

0.0000, 0.0000,
0.0000

51.4078, 0.2545,
0.3714

51.4078, 0.2545,
0.3714

50.3566, 0.2496,
0.3800

52.7630, 0.2613,
0.3631

49.5767, 0.2466,
0.3887

54.4394, 0.2697,
0.3551

49.0388, 0.2456,
0.3973

56.4601, 0.2794,
0.3476

48.6921, 0.2462,
0.4059

58.8442, 0.2902,
0.3407

48.6622, 0.2463,
0.4068

61.6097, 0.3018,
0.3343

■ 64.7729, 0.3139,
0.3285

■ 68.3496, 0.3262,
0.3233

■ 72.3546, 0.3386,
0.3186

■ 72.8014, 0.3357,
0.3137

Harmonies

Analogous

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



51.4078, 0.3046, 0.4175



51.4078, 0.2545, 0.3714



51.4078, 0.2217, 0.3142

Triad

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



51.4078, 0.2545, 0.3714



51.4078, 0.2606, 0.2418



51.4078, 0.4248, 0.3747

Complementary

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



51.4078, 0.2545, 0.3714



21.6018, 0.4505, 0.2948

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.



51.4078, 0.4125, 0.3309



51.4078, 0.2545, 0.3714



51.4078, 0.3128, 0.2582

Square

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



51.4078, 0.2545, 0.3714



51.4078, 0.2253, 0.2444



51.4078, 0.3699, 0.2897



51.4078, 0.4042, 0.4125

Rectangle

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



51.4078, 0.2545, 0.3714



51.4078, 0.2124, 0.2817



51.4078, 0.3699, 0.2897



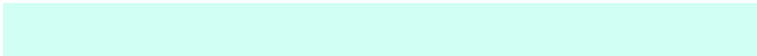
51.4078, 0.4245, 0.3603

Sweetspot

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



51.4098, 0.2545, 0.3714



91.6375, 0.2912, 0.3401



50.5497, 0.3223, 0.5081



19.3652, 0.2879, 0.3421



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.



51.4098, 0.2545, 0.3714



77.7600, 0.2485, 0.3824



38.8774, 0.2301, 0.2832



13.3578, 0.3014, 0.3345



29.6992, 0.2460, 0.4055



1.6724, 0.2416, 0.3897

Inverse Universe

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



21.6018, 0.4505, 0.2948



27.4189, 0.5000, 0.2926



27.1032, 0.4682, 0.3665



11.8529, 0.3254, 0.3236



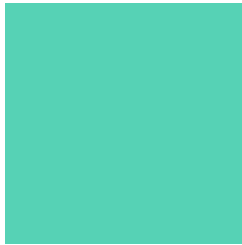
8.5068, 0.5963, 0.3059



0.4882, 0.5433, 0.2766

Previews

White Background



This preview shows how the Yxy color 51.4078, 0.2545, 0.3714 looks on a white background.

Color Contrast Check

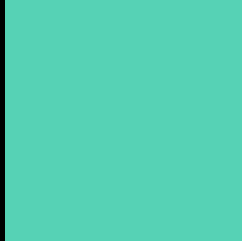
Large Text (above 18pt) WCAG AA × Fail

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 51.4078, 0.2545, 0.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

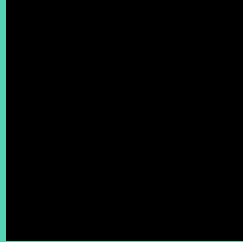
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

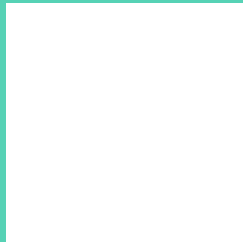
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4078, 0.2545, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 51.4078, 0.2545, 0.3714.



This preview shows how white text looks on a background with the Yxy color 51.4078, 0.2545, 0.3714.

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

51.4078, 0.2545, 0.3714

Protanopia

50.5668, 0.3345, 0.3530

Deuteranopia

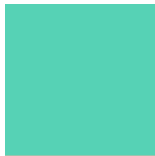
50.3092, 0.3302, 0.3230



Tritanopia

51.1729, 0.2391, 0.3058

Trichromacy



Original Color

51.4078, 0.2545, 0.3714



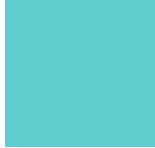
Protanomaly

49.5649, 0.2981, 0.3605



Deuteranomaly

48.9886, 0.2950, 0.3383



Tritanomaly

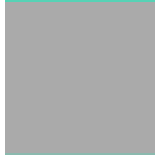
51.0856, 0.2448, 0.3288

Monochromacy



Original Color

51.4078, 0.2545, 0.3714



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.2429, 0.2842, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4078, 0.2545, 0.3714 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(86, 210, 181)` looks like.

```
.text, #text, p{  
    color:rgb(86, 210, 181)  
}
```

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(86, 210, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 210, 181) }
```

Border

The CSS property to change the border of an element to Yxy 51.4078, 0.2545, 0.3714 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(86, 210, 181) }
```

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

```
.border{ border-color:rgb(86, 210, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 210, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 210, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 210, 181);  
box-shadow:4px 4px 4px 4px rgb(86, 210,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4078, 0.2545, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 210, 181) }
```

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

```
.background{ background-color: rgb(86, 210,  
181) }
```

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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