

Converting Colors

$Yxy(50.1684, 0.2652, 0.3827)$

Have a look what the booklet for
Yxy(50.1684, 0.2652, 0.3827)
contains.

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Color

Yxy(50.2186, 0.2649, 0.3821)

Conversions

Conversions Part 1

Format	Color
Hex	63CFAB
RGB	99, 207, 171
RGB Percent	39%, 81%, 67%
CMY	0.6115, 0.1883, 0.3293
CMYK	0.52, 0.00, 0.17, 0.19
HSL	160°, 53%, 60%
HSV	160°, 52%, 81%
XYZ	34.8153, 50.2186, 46.3940
YIQ	170.6040, -52.8120, -34.0920

Conversions

Conversions Part 2

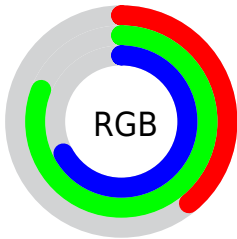
Format	Color
RYB	99, 164, 207
Decimal	6541227
CIELab	76.20, -39.68, 8.47
CIELCh	76, 40.572, 167.945
Yxy	50.2186, 0.2649, 0.3821
Android (android.graphics.Color)	4284731307 (0xFF63CFAB)
YUV	170.6040, 0.1952, -62.7967
Hunter-Lab	70.8651, -36.3188, 10.7895

Details

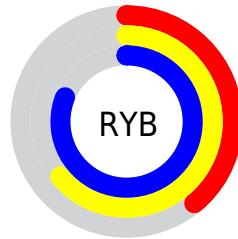
The Yxy color **50.2186, 0.2649, 0.3821** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **23.9510, 0.4103, 0.2842**, and the grayscale version is **40.5438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1791, 0.2727, 0.3622**, and **24.1457, 0.2512, 0.3977** is the 20% darker color. If you saturate the color by 10%, you get **48.9431, 0.2595, 0.3945**, and if you desaturate by 10%, it is **51.8106, 0.2719, 0.3703**.

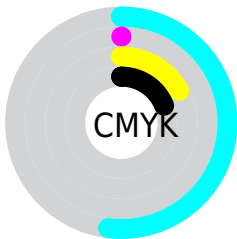
Distribution



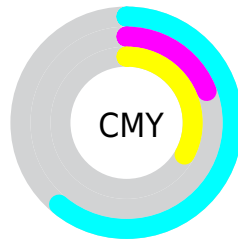
- Red (39%)
- Green (81%)
- Blue (67%)



- Red (39%)
- Yellow (64%)
- Blue (81%)



- Cyan (52%)
- Magenta (0%)
- Yellow (17%)
- Black (19%)





- Cyan (61%)
- Magenta (19%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2186, 0.2649, 0.3821 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 50.2186, 0.2649, 0.3821 by changing the saturation by 10% instead.


 50.2186, 0.2649,
0.3821


 50.2186, 0.2649,
0.3821


387.5202, 0.2888,
0.3550

 35.5871, 0.2589,
0.3890


 90.4987, 0.2736,
0.3721


 24.1155, 0.2513,
0.3980


 116.9161, 0.2769,
0.3684

 15.4193, 0.2411,
0.4101


 148.0309, 0.2796,
0.3653

 9.1142, 0.2269,
0.4273

 184.2275, 0.2820,
0.3627

 4.8157, 0.2060,
0.4534

225.8904, 0.2841,
0.3604

 2.1396, 0.1715,
0.4983

273.4038, 0.2858,

 0.6867, 0.0000,

0.3584

0.8155

327.1523, 0.2874,
0.3566

0.0000, 0.0000,
0.0000

50.2186, 0.2649,
0.3821

50.2186, 0.2649,
0.3821

48.9431, 0.2595,
0.3945

51.8106, 0.2719,
0.3703

47.9547, 0.2560,
0.4072

53.7343, 0.2803,
0.3591

47.2283, 0.2544,
0.4201

56.0107, 0.2897,
0.3488

46.7318, 0.2549,
0.4328

58.6575, 0.2998,
0.3393

46.4582, 0.2563,
0.4427

61.6913, 0.3104,
0.3307

■ 65.1275, 0.3212,
0.3230

■ 68.9807, 0.3320,
0.3162

■ 71.3864, 0.3354,
0.3097

■ 71.7733, 0.3303,
0.3029

Harmonies

Analogous

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



50.2186, 0.3165, 0.4218



50.2186, 0.2649, 0.3821



50.2186, 0.2282, 0.3262

Triad

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



50.2186, 0.2649, 0.3821



50.2186, 0.2524, 0.2419



50.2186, 0.4232, 0.3651

Complementary

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



50.2186, 0.2649, 0.3821



23.9510, 0.4103, 0.2842

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.



50.2186, 0.4040, 0.3219



50.2186, 0.2649, 0.3821



50.2186, 0.3010, 0.2544

Square

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



50.2186, 0.2649, 0.3821



50.2186, 0.2219, 0.2490



50.2186, 0.3575, 0.2827



50.2186, 0.4095, 0.4044

Rectangle

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



50.2186, 0.2649, 0.3821



50.2186, 0.2157, 0.2920



50.2186, 0.3575, 0.2827



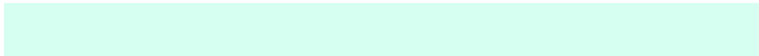
50.2186, 0.4205, 0.3507

Sweetspot

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



50.2206, 0.2649, 0.3821



92.2210, 0.2957, 0.3430



50.8303, 0.3305, 0.4819



19.5502, 0.2935, 0.3450



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.



50.2206, 0.2649, 0.3821



78.1564, 0.2588, 0.3965



44.3379, 0.2413, 0.3056



13.3373, 0.3027, 0.3369



29.2904, 0.2558, 0.4409



1.6521, 0.2494, 0.4178

Inverse Universe

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



23.9510, 0.4103, 0.2842



31.4628, 0.4461, 0.2773



26.4863, 0.4507, 0.3496



11.8723, 0.3239, 0.3213



8.6443, 0.5623, 0.2872



0.4979, 0.5102, 0.2584

Previews

White Background



This preview shows how the Yxy color 50.2186, 0.2649, 0.3821 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 50.2186, 0.2649, 0.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

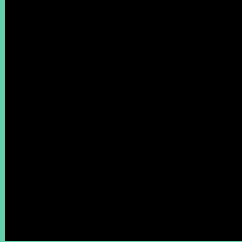
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2186, 0.2649, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 50.2186, 0.2649, 0.3821.



This preview shows how white text looks on a background with the Yxy color 50.2186, 0.2649, 0.3821.

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

50.2186, 0.2649, 0.3821

Protanopia

49.3916, 0.3422, 0.3621

Deuteranopia

49.2267, 0.3398, 0.3327



Tritanopia

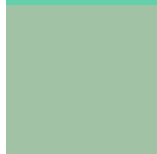
50.2938, 0.2456, 0.3071

Trichromacy



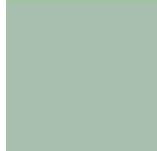
Original Color

50.2186, 0.2649, 0.3821



Protanomaly

48.8410, 0.3084, 0.3702



Deuteranomaly

48.2469, 0.3061, 0.3491



Tritanomaly

50.0701, 0.2525, 0.3330

Monochromacy



Original Color

50.2186, 0.2649, 0.3821



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.2410, 0.2908, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2186, 0.2649, 0.3821 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(99, 207, 171)` looks like.

```
.text, #text, p{  
  color:rgb(99, 207, 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(99, 207, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 171) }
```

Border

The CSS property to change the border of an element to Yxy 50.2186, 0.2649, 0.3821 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(99, 207, 171) }
```

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

```
.border{ border-color:rgb(99, 207, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 207, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 171);  
box-shadow:4px 4px 4px 4px rgb(99, 207,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2186, 0.2649, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 171) }
```

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

```
.background{ background-color: rgb(99, 207,  
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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