

Converting Colors

$Y_{xy}(50.0689, 0.2533, 0.3685)$

Have a look what the booklet for
Yxy(50.0689, 0.2533, 0.3685)
contains.

Yxy(49.8467, 0.2529, 0.3674)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8467, 0.2529, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	54CFB5
RGB	84, 207, 181
RGB Percent	33%, 81%, 71%
CMY	0.6703, 0.1882, 0.2903
CMYK	0.59, 0.00, 0.13, 0.19
HSL	167°, 56%, 57%
HSV	167°, 59%, 81%
XYZ	34.3120, 49.8467, 51.5155
YIQ	167.2590, -64.9620, -34.1620

Conversions

Conversions Part 2

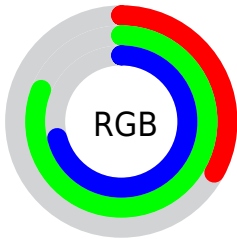
Format	Color
RYB	84, 153, 207
Decimal	5558197
CIELab	75.98, -40.43, 2.73
CIELCh	76, 40.518, 176.131
Yxy	49.8467, 0.2529, 0.3674
Android (android.graphics.Color)	4283748277 (0xFF54CFB5)
YUV	167.2590, 6.7743, -73.0181
Hunter-Lab	70.6022, -36.8045, 6.1601

Details

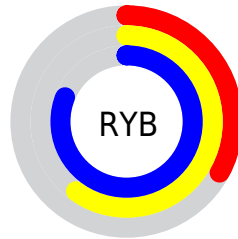
The Yxy color **49.8467, 0.2529, 0.3674** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **20.7452, 0.4560, 0.2981**, and the grayscale version is **38.7757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5637, 0.2616, 0.3495**, and **24.0150, 0.2386, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **48.8525, 0.2479, 0.3751**, and if you desaturate by 10%, it is **51.1327, 0.2598, 0.3599**.

Distribution



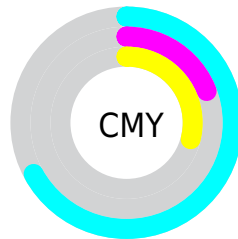
- Red (33%)
- Green (81%)
- Blue (71%)



- Red (33%)
- Yellow (60%)
- Blue (81%)



- Cyan (59%)
- Magenta (0%)
- Yellow (13%)
- Black (19%)





- Cyan (67%)
- Magenta (19%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8467, 0.2529, 0.3674 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 49.8467, 0.2529, 0.3674 by changing the saturation by 10% instead.

 49.8467, 0.2529,
0.3674

 49.8467, 0.2529,
0.3674


386.0661, 0.2824,
0.3482

 35.2916, 0.2457,
0.3722


 89.9477, 0.2635,
0.3604

 23.8876, 0.2365,
0.3783


 116.2624, 0.2675,
0.3578

 15.2503, 0.2245,
0.3863


 147.2657, 0.2709,
0.3556

 8.9952, 0.2080,
0.3976


 183.3421, 0.2739,
0.3537

 4.7381, 0.1843,
0.4141

224.8760, 0.2764,
0.3521

 2.0944, 0.1462,
0.4413

272.2517, 0.2787,

 0.6615, 0.0000,

0.3506

0.5556

325.8536, 0.2806,
0.3494

0.0000, 0.0000,
0.0000

49.8467, 0.2529,
0.3674

49.8467, 0.2529,
0.3674

48.8525, 0.2479,
0.3751

51.1327, 0.2598,
0.3599

48.1185, 0.2448,
0.3829

52.7273, 0.2683,
0.3528

47.6163, 0.2436,
0.3906

54.6526, 0.2783,
0.3460

47.2939, 0.2441,
0.3983

56.9274, 0.2893,
0.3397

47.2760, 0.2441,
0.3988

59.5688, 0.3011,
0.3339

■ 62.5929, 0.3135,
0.3287

■ 66.0146, 0.3261,
0.3240

■ 69.8484, 0.3389,
0.3198

■ 71.0745, 0.3397,
0.3155

Harmonies

Analogous

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



49.8467, 0.3016, 0.4140



49.8467, 0.2529, 0.3674



49.8467, 0.2217, 0.3114

Triad

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



49.8467, 0.2529, 0.3674



49.8467, 0.2641, 0.2434



49.8467, 0.4228, 0.3767

Complementary

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



49.8467, 0.2529, 0.3674



20.7452, 0.4560, 0.2981

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.



49.8467, 0.4126, 0.3336



49.8467, 0.2529, 0.3674



49.8467, 0.3163, 0.2606

Square

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



49.8467, 0.2529, 0.3674



49.8467, 0.2280, 0.2449



49.8467, 0.3721, 0.2926



49.8467, 0.4008, 0.4131

Rectangle

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



49.8467, 0.2529, 0.3674



49.8467, 0.2135, 0.2801



49.8467, 0.3721, 0.2926



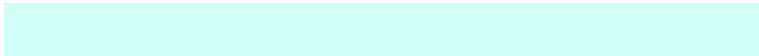
49.8467, 0.4231, 0.3626

Sweetspot

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



49.8487, 0.2529, 0.3674



91.6998, 0.2906, 0.3390



48.6270, 0.3195, 0.5105



19.3806, 0.2873, 0.3408



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.



49.8487, 0.2529, 0.3674



77.9666, 0.2469, 0.3770



35.9630, 0.2284, 0.2765



13.3624, 0.3011, 0.3340



29.8006, 0.2438, 0.3977



1.6772, 0.2399, 0.3836

Inverse Universe

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



20.7452, 0.4560, 0.2981



27.3269, 0.5058, 0.2965



27.0769, 0.4657, 0.3717



11.8486, 0.3258, 0.3241



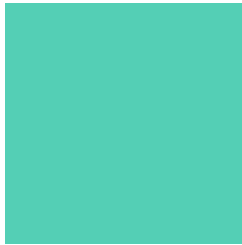
8.4829, 0.6028, 0.3094



0.4862, 0.5508, 0.2808

Previews

White Background



This preview shows how the Yxy color 49.8467, 0.2529, 0.3674 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 49.8467, 0.2529, 0.3674 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

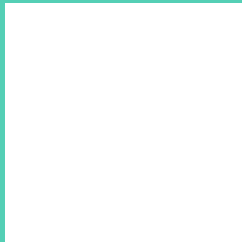
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8467, 0.2529, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 49.8467, 0.2529, 0.3674.

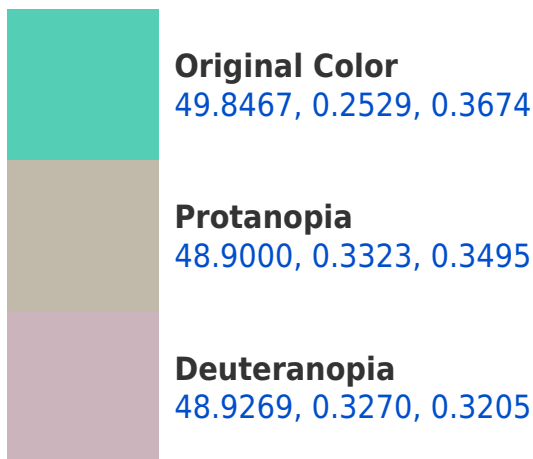


This preview shows how white text looks on a background with the Yxy color 49.8467, 0.2529, 0.3674.

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





Tritanopia

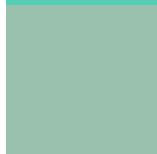
49.8997, 0.2387, 0.3068

Trichromacy



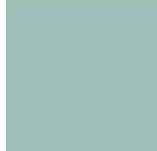
Original Color

49.8467, 0.2529, 0.3674



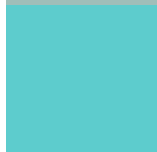
Protanomaly

47.9294, 0.2958, 0.3567



Deuteranomaly

47.8033, 0.2926, 0.3357



Tritanomaly

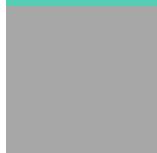
49.9207, 0.2435, 0.3274

Monochromacy



Original Color

49.8467, 0.2529, 0.3674



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.7528, 0.2838, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8467, 0.2529, 0.3674 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(84, 207, 181)` looks like.

```
.text, #text, p{  
  color:rgb(84, 207, 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(84, 207, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 207, 181) }
```

Border

The CSS property to change the border of an element to Yxy 49.8467, 0.2529, 0.3674 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(84, 207, 181) }
```

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

```
.border{ border-color:rgb(84, 207, 181) }
```

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

Here you see how a box with a 4 pixel rgb(84, 207, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 207, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 207, 181);  
box-shadow:4px 4px 4px 4px rgb(84, 207,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8467, 0.2529, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 207, 181) }
```

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

```
.background{ background-color: rgb(84, 207,  
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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