

Converting Colors

$Yxy(49.4576, 0.2729, 0.3869)$

Have a look what the booklet for
Yxy(49.4576, 0.2729, 0.3869)
contains.

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Color

Yxy(49.6305, 0.2731, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	6DCDA5
RGB	109, 205, 165
RGB Percent	43%, 80%, 65%
CMY	0.5727, 0.1960, 0.3530
CMYK	0.47, 0.00, 0.20, 0.20
HSL	155°, 49%, 62%
HSV	155°, 47%, 80%
XYZ	34.9242, 49.6305, 43.3260
YIQ	171.7360, -44.3760, -32.7920

Conversions

Conversions Part 2

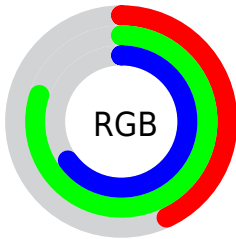
Format	Color
RYB	109, 170, 205
Decimal	7196069
CIELab	75.84, -37.75, 11.24
CIELCh	76, 39.386, 163.413
Yxy	49.6305, 0.2731, 0.3881
Android (android.graphics.Color)	4285386149 (0xFF6DCDA5)
YUV	171.7360, -3.3208, -55.0195
Hunter-Lab	70.4489, -34.7963, 12.8510

Details

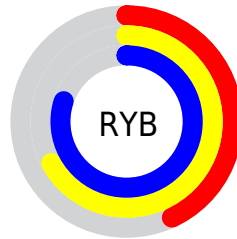
The Yxy color **49.6305, 0.2731, 0.3881** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.0794, 0.3849, 0.2783**, and the grayscale version is **41.1440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6866, 0.2797, 0.3689**, and **23.7088, 0.2614, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **48.1802, 0.2675, 0.4036**, and if you desaturate by 10%, it is **51.4088, 0.2801, 0.3735**.

Distribution



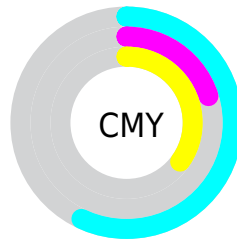
- Red (43%)
- Green (80%)
- Blue (65%)



- Red (43%)
- Yellow (67%)
- Blue (80%)



- Cyan (47%)
- Magenta (0%)
- Yellow (20%)
- Black (20%)





- Cyan (57%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6305, 0.2731, 0.3881 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 49.6305, 0.2731, 0.3881 by changing the saturation by 10% instead.


 49.6305, 0.2731,
0.3881

 49.6305, 0.2731,
0.3881


385.2192, 0.2932,
0.3577


 35.1199, 0.2680,
0.3959


 89.6272, 0.2805,
0.3769

 23.7552, 0.2614,
0.4062


 115.8820, 0.2832,
0.3727

 15.1522, 0.2525,
0.4201


 146.8204, 0.2855,
0.3692

 8.9262, 0.2400,
0.4399

182.8267, 0.2875,
0.3662

 4.6931, 0.2211,
0.4706

224.2854, 0.2892,
0.3637

 2.0683, 0.1889,
0.5241

271.5807, 0.2907,

 0.6467, 0.0000,

0.3614

1.0000

325.0972, 0.2920,
0.3595

0.0000, 0.0000,
0.0000

49.6305, 0.2731,
0.3881

49.6305, 0.2731,
0.3881

48.1802, 0.2675,
0.4036

51.4088, 0.2801,
0.3735

47.0300, 0.2637,
0.4196

53.5287, 0.2881,
0.3599

46.1574, 0.2617,
0.4359


56.0103, 0.2969,
0.3474


45.5336, 0.2618,
0.4522


58.8706, 0.3062,
0.3361


45.1211, 0.2639,
0.4679


62.1252, 0.3157,
0.3259

 45.0135, 0.2647,
0.4728

 65.7889, 0.3253,
0.3169

 69.8758, 0.3348,
0.3090

 70.8302, 0.3304,
0.3007

 71.3314, 0.3242,
0.2924

Harmonies

Analogous

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



49.6305, 0.3246, 0.4224



49.6305, 0.2731, 0.3881



49.6305, 0.2343, 0.3346

Triad

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



49.6305, 0.2731, 0.3881



49.6305, 0.2480, 0.2437



49.6305, 0.4197, 0.3581

Complementary

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



49.6305, 0.2731, 0.3881



26.0794, 0.3849, 0.2783

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.



49.6305, 0.3962, 0.3160



49.6305, 0.2731, 0.3881



49.6305, 0.2934, 0.2531

Square

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



49.6305, 0.2731, 0.3881



49.6305, 0.2213, 0.2538



49.6305, 0.3483, 0.2788



49.6305, 0.4111, 0.3976

Rectangle

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



49.6305, 0.2731, 0.3881



49.6305, 0.2199, 0.3000



49.6305, 0.3483, 0.2788



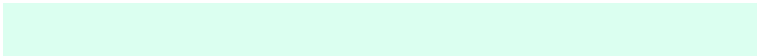
49.6305, 0.4153, 0.3440

Sweetspot

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



49.6325, 0.2731, 0.3881



92.9251, 0.2994, 0.3442



51.3106, 0.3359, 0.4623



19.6808, 0.2974, 0.3468



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.



49.6325, 0.2731, 0.3881



78.9400, 0.2676, 0.4034



48.3236, 0.2492, 0.3198



12.6449, 0.3038, 0.3388



28.0386, 0.2641, 0.4706



1.4614, 0.2555, 0.4399

Inverse Universe

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



26.0794, 0.3849, 0.2783



35.8601, 0.4088, 0.2691



26.4288, 0.4356, 0.3375



11.2899, 0.3226, 0.3194



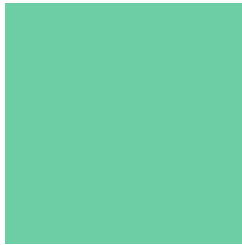
8.5107, 0.5290, 0.2688



0.4541, 0.4786, 0.2410

Previews

White Background



This preview shows how the Yxy color 49.6305, 0.2731, 0.3881 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 49.6305, 0.2731, 0.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

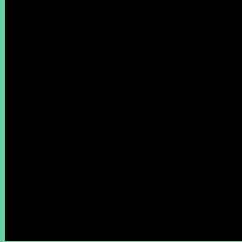
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6305, 0.2731, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 49.6305, 0.2731, 0.3881.

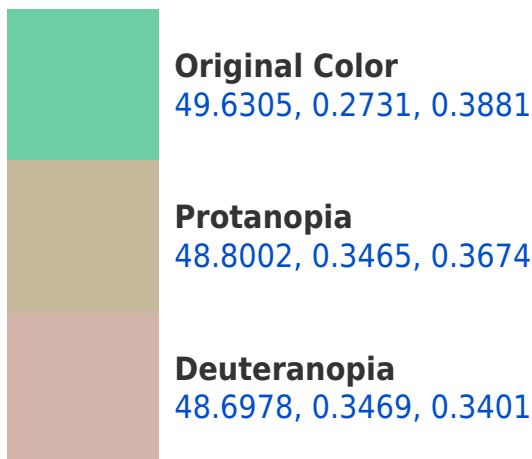


This preview shows how white text looks on a background with the Yxy color 49.6305, 0.2731, 0.3881.

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

49.3808, 0.2510, 0.3072

Trichromacy



Original Color

49.6305, 0.2731, 0.3881



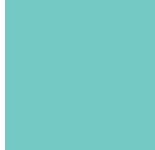
Protanomaly

48.0950, 0.3146, 0.3744



Deuteranomaly

47.6778, 0.3156, 0.3559



Tritanomaly

49.5407, 0.2589, 0.3359

Monochromacy



Original Color

49.6305, 0.2731, 0.3881



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.5351, 0.2954, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6305, 0.2731, 0.3881 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(109, 205, 165)` looks like.

```
.text, #text, p{  
    color:rgb(109, 205, 165)  
}
```

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(109, 205, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 205, 165) }
```

Border

The CSS property to change the border of an element to Yxy 49.6305, 0.2731, 0.3881 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(109, 205, 165) }
```

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

```
.border{ border-color:rgb(109, 205, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 205, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 205, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 205, 165);  
box-shadow:4px 4px 4px 4px rgb(109, 205,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6305, 0.2731, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 205, 165) }
```

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

```
.background{ background-color: rgb(109,  
205, 165) }
```

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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