

Converting Colors

$Yxy(49.5193, 0.2809, 0.3824)$

Have a look what the booklet for
Yxy(49.5193, 0.2809, 0.3824)
contains.

Yxy(49.7501, 0.2810, 0.3825)	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(49.7501, 0.2810, 0.3825)

Conversions

Conversions Part 1

Format	Color
Hex	7CCBA6
RGB	124, 203, 166
RGB Percent	49%, 80%, 65%
CMY	0.5139, 0.2039, 0.3489
CMYK	0.39, 0.00, 0.18, 0.20
HSL	152°, 43%, 64%
HSV	152°, 39%, 80%
XYZ	36.5484, 49.7501, 43.7671
YIQ	175.1610, -35.2070, -28.2550

Conversions

Conversions Part 2

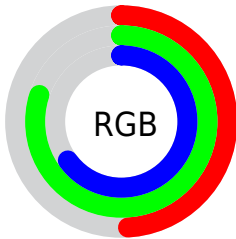
Format	Color
RYB	124, 176, 203
Decimal	8178598
CIELab	75.92, -32.60, 10.87
CIELCh	76, 34.362, 161.553
Yxy	49.7501, 0.2810, 0.3825
Android (android.graphics.Color)	4286368678 (0xFF7CCBA6)
YUV	175.1610, -4.5164, -44.8682
Hunter-Lab	70.5338, -30.9408, 12.5834

Details

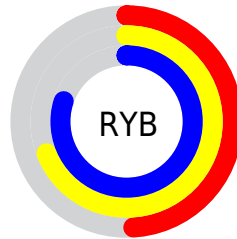
The Yxy color **49.7501, 0.2810, 0.3825** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.6733, 0.3632, 0.2817**, and the grayscale version is **42.9920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3242, 0.2865, 0.3670**, and **23.6968, 0.2715, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **48.0569, 0.2748, 0.3993**, and if you desaturate by 10%, it is **51.7844, 0.2883, 0.3669**.

Distribution



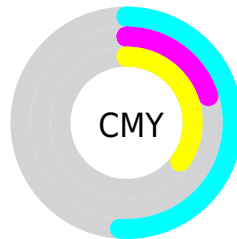
- Red (49%)
- Green (80%)
- Blue (65%)



- Red (49%)
- Yellow (69%)
- Blue (80%)



- Cyan (39%)
- Magenta (0%)
- Yellow (18%)
- Black (20%)





- Cyan (51%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7501, 0.2810, 0.3825 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 49.7501, 0.2810, 0.3825 by changing the saturation by 10% instead.


 49.7501, 0.2810,
0.3825

 49.7501, 0.2810,
0.3825


385.6879, 0.2971,
0.3551

 35.2149, 0.2769,
0.3896


 89.8045, 0.2869,
0.3724

 23.8284, 0.2716,
0.3988


 116.0925, 0.2891,
0.3686

 15.2064, 0.2644,
0.4112


 147.0668, 0.2910,
0.3655

 8.9644, 0.2543,
0.4290

183.1119, 0.2926,
0.3628

 4.7180, 0.2388,
0.4564

224.6122, 0.2939,
0.3605

 2.0827, 0.2128,
0.5038

271.9520, 0.2951,

 0.6549, 0.0000,

0.3584

1.0000

325.5158, 0.2962,
0.3567

0.0000, 0.0000,
0.0000

49.7501, 0.2810,
0.3825

49.7501, 0.2810,
0.3825

48.0569, 0.2748,
0.3993

51.7844, 0.2883,
0.3669

46.6789, 0.2700,
0.4170

54.1718, 0.2963,
0.3525

45.5962, 0.2669,
0.4352

56.9312, 0.3049,
0.3395

44.7839, 0.2658,
0.4536

60.0783, 0.3137,
0.3278

44.2128, 0.2667,
0.4716

63.6279, 0.3225,
0.3175

■ 43.8351, 0.2693,
0.4889

■ 67.5939, 0.3312,
0.3083

■ 43.7996, 0.2697,
0.4907

■ 69.8307, 0.3312,
0.2995

■ 70.3866, 0.3243,
0.2903

■ 70.9722, 0.3175,
0.2814

Harmonies

Analogous

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



49.7501, 0.3267, 0.4105



49.7501, 0.2810, 0.3825



49.7501, 0.2456, 0.3373

Triad

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



49.7501, 0.2810, 0.3825



49.7501, 0.2539, 0.2537



49.7501, 0.4054, 0.3532

Complementary

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



49.7501, 0.2810, 0.3825



29.6733, 0.3632, 0.2817

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.



49.7501, 0.3833, 0.3158



49.7501, 0.2810, 0.3825



49.7501, 0.2932, 0.2608

Square

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



49.7501, 0.2810, 0.3825



49.7501, 0.2311, 0.2644



49.7501, 0.3410, 0.2830



49.7501, 0.4001, 0.3881

Rectangle

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



49.7501, 0.2810, 0.3825



49.7501, 0.2317, 0.3069



49.7501, 0.3410, 0.2830



49.7501, 0.4010, 0.3406

Sweetspot

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



49.7521, 0.2810, 0.3825



93.7634, 0.3021, 0.3435



51.8688, 0.3362, 0.4368



19.9363, 0.3010, 0.3452



0.0000, 0.0000, 0.0000



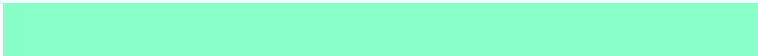
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7521, 0.2810, 0.3825



80.8040, 0.2755, 0.3970



50.6903, 0.2589, 0.3270



12.6351, 0.3045, 0.3401



27.8898, 0.2690, 0.4884



1.4541, 0.2595, 0.4544

Inverse Universe

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



29.6733, 0.3632, 0.2817



42.4007, 0.3799, 0.2714



28.8888, 0.4083, 0.3310



11.2996, 0.3218, 0.3182



8.6234, 0.5078, 0.2571



0.4602, 0.4619, 0.2318

Previews

White Background



This preview shows how the Yxy color 49.7501, 0.2810, 0.3825 looks on a white background.

Color Contrast Check

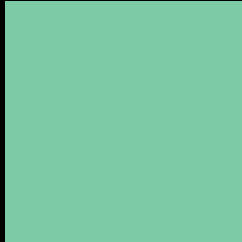
Large Text (above 18pt) WCAG AA × Fail

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 49.7501, 0.2810, 0.3825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

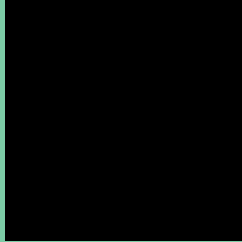
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

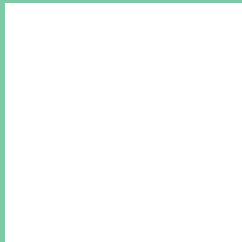
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7501, 0.2810, 0.3825

Background



This preview shows how black text looks on a background with the Yxy color 49.7501, 0.2810, 0.3825.



This preview shows how white text looks on a background with the Yxy color 49.7501, 0.2810, 0.3825.

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

49.7501, 0.2810, 0.3825

Protanopia

49.2879, 0.3446, 0.3660

Deuteranopia

49.2844, 0.3467, 0.3401



Tritanopia

49.8369, 0.2593, 0.3088

Trichromacy



Original Color

49.7501, 0.2810, 0.3825

Protanomaly

48.7834, 0.3188, 0.3723

Deuteranomaly

48.4147, 0.3199, 0.3541

Tritanomaly

49.6123, 0.2671, 0.3344

Monochromacy



Original Color

49.7501, 0.2810, 0.3825

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.7444, 0.2988, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7501, 0.2810, 0.3825 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(124, 203, 166)` looks like.

```
.text, #text, p{  
    color:rgb(124, 203, 166)  
}
```

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(124, 203, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 203, 166) }
```

Border

The CSS property to change the border of an element to Yxy 49.7501, 0.2810, 0.3825 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(124, 203, 166) }
```

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

```
.border{ border-color:rgb(124, 203, 166) }
```

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

Here you see how a box with a 4 pixel rgb(124, 203, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 203, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 203, 166);  
box-shadow:4px 4px 4px 4px rgb(124, 203,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7501, 0.2810, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 203, 166) }
```

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

```
.background{ background-color: rgb(124,  
203, 166) }
```

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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