

Converting Colors

$Yxy(49.3392, 0.2755, 0.4115)$

Have a look what the booklet for
Yxy(49.3392, 0.2755, 0.4115)
contains.

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Color

Yxy(49.5453, 0.2756, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	63CF98
RGB	99, 207, 152
RGB Percent	39%, 81%, 60%
CMY	0.6118, 0.1882, 0.4039
CMYK	0.52, 0.00, 0.27, 0.19
HSL	149°, 53%, 60%
HSV	149°, 52%, 81%
XYZ	33.1264, 49.5453, 37.5256
YIQ	168.4380, -46.7130, -40.0010

Conversions

Conversions Part 2

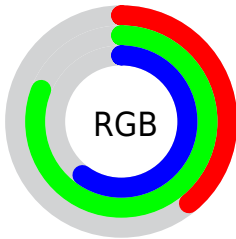
Format	Color
RYB	99, 171, 207
Decimal	6541208
CIELab	75.79, -43.77, 18.03
CIELCh	76, 47.343, 157.609
Yxy	49.5453, 0.2756, 0.4122
Android (android.graphics.Color)	4284731288 (0xFF63CF98)
YUV	168.4380, -8.1039, -60.8971
Hunter-Lab	70.3884, -39.1737, 17.6631

Details

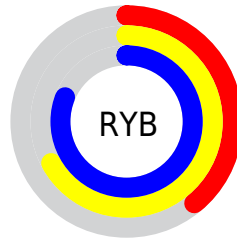
The Yxy color **49.5453, 0.2756, 0.4122** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.5232, 0.3835, 0.2610**, and the grayscale version is **39.4437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0442, 0.2821, 0.3865**, and **23.7711, 0.2638, 0.4384** is the 20% darker color. If you saturate the color by 10%, you get **48.1968, 0.2717, 0.4318**, and if you desaturate by 10%, it is **51.2273, 0.2810, 0.3934**.

Distribution



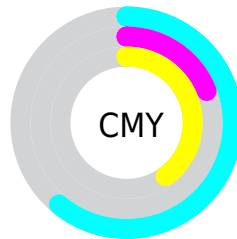
- Red (39%)
- Green (81%)
- Blue (60%)



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



- Cyan (52%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)




- Cyan (61%)
- Magenta (19%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5453, 0.2756, 0.4122 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 49.5453, 0.2756, 0.4122 by changing the saturation by 10% instead.


 49.5453, 0.2756,
0.4122


 49.5453, 0.2756,
0.4122


384.8851, 0.2950,
0.3688

 35.0522, 0.2705,
0.4236


 89.5008, 0.2829,
0.3960


 23.7031, 0.2638,
0.4385


 115.7320, 0.2855,
0.3901

 15.1135, 0.2546,
0.4590


 146.6448, 0.2877,
0.3851

 8.8991, 0.2412,
0.4885

 182.6235, 0.2896,
0.3808

 4.6754, 0.2203,
0.5345

224.0524, 0.2913,
0.3772

 2.0581, 0.1800,
0.6249

271.3161, 0.2927,

 0.6409, 0.0000,

0.3740

1.0000

324.7989, 0.2939,
0.3713

■ 0.0000, 0.0000,
0.0000

■ 49.5453, 0.2756,
0.4122

■ 49.5453, 0.2756,
0.4122

■ 48.1968, 0.2717,
0.4318

■ 51.2273, 0.2810,
0.3934

■ 47.1516, 0.2696,
0.4519

■ 53.2584, 0.2875,
0.3758

■ 46.3842, 0.2694,
0.4718

■ 55.6603, 0.2949,
0.3596

■ 45.8616, 0.2712,
0.4909

■ 58.4513, 0.3028,
0.3449

■ 45.5785, 0.2736,
0.5051

■ 61.6482, 0.3109,
0.3317

65.2671, 0.3191,
0.3199

69.3231, 0.3273,
0.3096

71.9629, 0.3280,
0.2998

72.5950, 0.3205,
0.2897

Harmonies

Analogous

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



49.5453, 0.3379, 0.4463



49.5453, 0.2756, 0.4122



49.5453, 0.2264, 0.3479

Triad

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



49.5453, 0.2756, 0.4122



49.5453, 0.2280, 0.2289



49.5453, 0.4389, 0.3519

Complementary

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



49.5453, 0.2756, 0.4122



24.5232, 0.3835, 0.2610

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.



49.5453, 0.4038, 0.3035



49.5453, 0.2756, 0.4122



49.5453, 0.2773, 0.2361

Square

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



49.5453, 0.2756, 0.4122



49.5453, 0.2020, 0.2444



49.5453, 0.3420, 0.2627



49.5453, 0.4348, 0.4002

Rectangle

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



49.5453, 0.2756, 0.4122



49.5453, 0.2066, 0.3043



49.5453, 0.3420, 0.2627



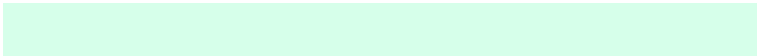
49.5453, 0.4313, 0.3354

Sweetspot

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



49.5473, 0.2756, 0.4122



91.7997, 0.2996, 0.3506



52.4772, 0.3445, 0.4751



19.4497, 0.2979, 0.3537



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.



49.5473, 0.2756, 0.4122



76.9429, 0.2712, 0.4350



51.6977, 0.2468, 0.3313



13.3016, 0.3050, 0.3411



28.7345, 0.2730, 0.5027



1.6227, 0.2635, 0.4685

Inverse Universe

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



24.5232, 0.3835, 0.2610



32.4685, 0.4080, 0.2493



23.1259, 0.4604, 0.3272



11.9073, 0.3212, 0.3172



9.0249, 0.4906, 0.2476



0.5206, 0.4512, 0.2259

Previews

White Background



This preview shows how the Yxy color 49.5453, 0.2756, 0.4122 looks on a white background.

Color Contrast Check

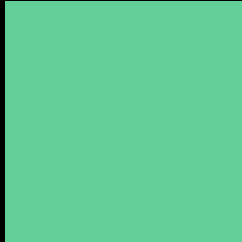
Large Text (above 18pt) WCAG AA × Fail

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 49.5453, 0.2756, 0.4122 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 49.5453, 0.2756, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 49.5453, 0.2756, 0.4122.

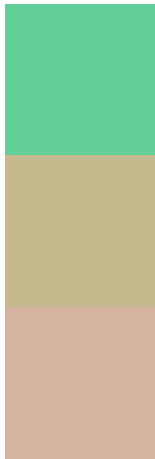


This preview shows how white text looks on a background with the Yxy color 49.5453, 0.2756, 0.4122.

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

49.5453, 0.2756, 0.4122

Protanopia

48.6567, 0.3591, 0.3838

Deuteranopia

48.8550, 0.3610, 0.3547



Tritanopia

49.5351, 0.2481, 0.3071

Trichromacy



Original Color

49.5453, 0.2756, 0.4122



Protanomaly

47.8966, 0.3225, 0.3944



Deuteranomaly

47.5661, 0.3239, 0.3738



Tritanomaly

49.3618, 0.2576, 0.3431

Monochromacy



Original Color

49.5453, 0.2756, 0.4122



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.9042, 0.2957, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5453, 0.2756, 0.4122 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(99, 207, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 152) }
```

Border

The CSS property to change the border of an element to Yxy 49.5453, 0.2756, 0.4122 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, 152) }
```

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

```
.border{ border-color:rgb(99, 207, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 152);  
box-shadow:4px 4px 4px 4px rgb(99, 207,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5453, 0.2756, 0.4122 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, 152) }
```

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

```
.background{ background-color: rgb(99, 207,  
152) }
```

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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