

Converting Colors

$Y_{xy}(23.8992, 0.2800, 0.4165)$

Have a look what the booklet for
Yxy(23.8992, 0.2800, 0.4165)
contains.

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Color

Yxy(23.9520, 0.2801, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	49956A
RGB	73, 149, 106
RGB Percent	29%, 58%, 42%
CMY	0.7140, 0.4156, 0.5843
CMYK	0.51, 0.00, 0.29, 0.42
HSL	146°, 34%, 44%
HSV	146°, 51%, 58%
XYZ	16.0925, 23.9520, 17.4081
YIQ	121.3740, -31.4930, -29.4850

Conversions

Conversions Part 2

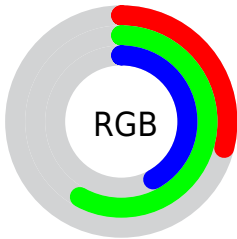
Format	Color
R_{YB}	73, 126, 149
Decimal	4822378
CIE _{Lab}	56.04, -33.91, 15.66
CIE _{LCh}	56, 37.348, 155.215
Yxy	23.9520, 0.2801, 0.4169
Android (android.graphics.Color)	4283012458 (0xFF49956A)
YUV	121.3740, -7.5794, -42.4240
Hunter-Lab	48.9408, -26.9528, 13.1692

Details

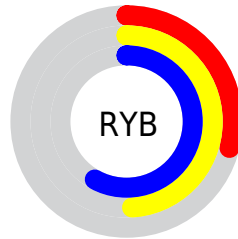
The Yxy color **23.9520, 0.2801, 0.4169** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.4071, 0.3712, 0.2569**, and the grayscale version is **19.2757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1321, 0.2886, 0.3972**, and **8.9330, 0.2651, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **23.2728, 0.2764, 0.4381**, and if you desaturate by 10%, it is **24.7898, 0.2851, 0.3966**.

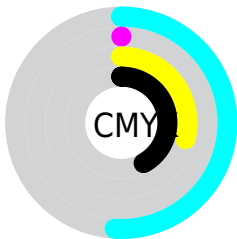
Distribution



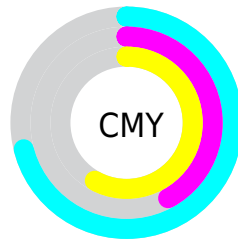
- Red (29%)
- Green (58%)
- Blue (42%)



- Red (29%)
- Yellow (49%)
- Blue (58%)



- Cyan (51%)
- Magenta (0%)
- Yellow (29%)
- Black (42%)





- Cyan (71%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9520, 0.2801, 0.4169 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 23.9520, 0.2801, 0.4169 by changing the saturation by 10% instead.


 23.9520, 0.2801,
0.4169


 23.9520, 0.2801,
0.4169


272.5777, 0.2994,
0.3657


 15.2980, 0.2739,
0.4329


 49.9519, 0.2880,
0.3962

 9.0288, 0.2650,
0.4558


 68.0665, 0.2907,
0.3890

 4.7600, 0.2508,
0.4914

 90.1035, 0.2928,
0.3833

 2.1071, 0.2260,
0.5536

 116.4473, 0.2946,
0.3785

 0.6686, 0.0000,
1.0000

 147.4822, 0.2961,
0.3746

 0.0000, 0.0000,
0.0000

183.5927, 0.2974,

0.3712

225.1630, 0.2984,
0.3682

■ 23.9520, 0.2801,
0.4169

■ 23.9520, 0.2801,
0.4169

■ 23.2728, 0.2764,
0.4381

■ 24.7898, 0.2851,
0.3966

■ 22.7387, 0.2742,
0.4598

■ 25.7928, 0.2911,
0.3777

■ 22.3386, 0.2738,
0.4812

■ 26.9709, 0.2977,
0.3603

■ 22.0584, 0.2752,
0.5018

■ 28.3323, 0.3047,
0.3445

■ 21.8774, 0.2775,
0.5191

■ 29.8845, 0.3120,
0.3304

■ 31.6348, 0.3192,
0.3178

■ 33.5900, 0.3263,
0.3068

■ 35.7566, 0.3331,
0.2970

■ 38.1408, 0.3397,
0.2885

Harmonies

Analogous

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



23.9520, 0.3430, 0.4477



23.9520, 0.2801, 0.4169



23.9520, 0.2291, 0.3535

Triad

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



23.9520, 0.2801, 0.4169



23.9520, 0.2247, 0.2288



23.9520, 0.4381, 0.3479

Complementary

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



23.9520, 0.2801, 0.4169



12.4071, 0.3712, 0.2569

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.



23.9520, 0.4000, 0.2997



23.9520, 0.2801, 0.4169



23.9520, 0.2724, 0.2344

Square

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



23.9520, 0.2801, 0.4169



23.9520, 0.2004, 0.2463



23.9520, 0.3367, 0.2596



23.9520, 0.4372, 0.3968

Rectangle

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



23.9520, 0.2801, 0.4169



23.9520, 0.2079, 0.3090



23.9520, 0.3367, 0.2596



23.9520, 0.4294, 0.3314

Sweetspot

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



23.9530, 0.2801, 0.4169



49.6538, 0.3017, 0.3510



25.6949, 0.3477, 0.4664



10.9016, 0.3004, 0.3540



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.9530, 0.2801, 0.4169



41.5451, 0.2760, 0.4407



24.9243, 0.2515, 0.3385



6.5078, 0.3061, 0.3418



18.4155, 0.2772, 0.5179



0.2311, 0.2543, 0.4354

Inverse Universe

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



12.4071, 0.3712, 0.2569



18.5203, 0.3906, 0.2438



11.6973, 0.4429, 0.3208



5.8670, 0.3199, 0.3166



5.9259, 0.4641, 0.2330



0.0785, 0.3884, 0.1913

Previews

White Background



This preview shows how the Yxy color 23.9520, 0.2801, 0.4169 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9520, 0.2801, 0.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

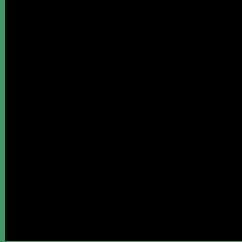
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9520, 0.2801, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 23.9520, 0.2801, 0.4169.



This preview shows how white text looks on a background with the Yxy color 23.9520, 0.2801, 0.4169.

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

23.9520, 0.2801, 0.4169

Protanopia

23.5155, 0.3621, 0.3876

Deuteranopia

23.4561, 0.3641, 0.3571



Tritanopia

23.9564, 0.2511, 0.3086

Trichromacy



Original Color

23.9520, 0.2801, 0.4169

Protanomaly

23.2761, 0.3269, 0.3983

Deuteranomaly

23.0724, 0.3284, 0.3785

Tritanomaly

23.8063, 0.2608, 0.3443

Monochromacy



Original Color

23.9520, 0.2801, 0.4169

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.4366, 0.2979, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9520, 0.2801, 0.4169 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(73, 149, 106)` looks like.

```
.text, #text, p{  
    color:rgb(73, 149, 106)  
}
```

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(73, 149, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 149, 106) }
```

Border

The CSS property to change the border of an element to Yxy 23.9520, 0.2801, 0.4169 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(73, 149, 106) }
```

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

```
.border{ border-color:rgb(73, 149, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 149, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 149, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 149, 106);  
box-shadow:4px 4px 4px 4px rgb(73, 149,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9520, 0.2801, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 149, 106) }
```

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

```
.background{ background-color: rgb(73, 149,  
106) }
```

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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