

Converting Colors

$Y_{xy}(24.3771, 0.2966, 0.4528)$

Have a look what the booklet for
Yxy(24.3771, 0.2966, 0.4528)
contains.

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Color

Yxy(24.4911, 0.2968, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	4E975A
RGB	78, 151, 90
RGB Percent	31%, 59%, 35%
CMY	0.6939, 0.4079, 0.6471
CMYK	0.48, 0.00, 0.40, 0.41
HSL	130°, 32%, 45%
HSV	130°, 48%, 59%
XYZ	16.0569, 24.4911, 13.5521
YIQ	122.2190, -23.9270, -34.4470

Conversions

Conversions Part 2

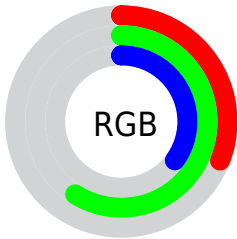
Format	Color
RYB	78, 141, 151
Decimal	5150554
CIELab	56.58, -36.42, 25.27
CIElCh	57, 44.334, 145.244
Yxy	24.4911, 0.2968, 0.4527
Android (android.graphics.Color)	4283340634 (0xFF4E975A)
YUV	122.2190, -15.8840, -38.7801
Hunter-Lab	49.4885, -28.6892, 18.4058

Details

The Yxy color **24.4911, 0.2968, 0.4527** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.9011, 0.3352, 0.2312**, and the grayscale version is **19.6006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8910, 0.3014, 0.4232**, and **9.2575, 0.2851, 0.5069** is the 20% darker color. If you saturate the color by 10%, you get **23.7283, 0.2946, 0.4833**, and if you desaturate by 10%, it is **25.4389, 0.2996, 0.4229**.

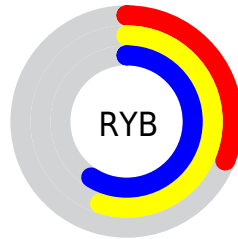
Distribution



Red (31%)

Green (59%)

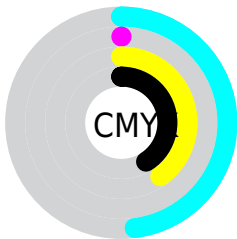
Blue (35%)



Red (31%)

Yellow (55%)

Blue (59%)

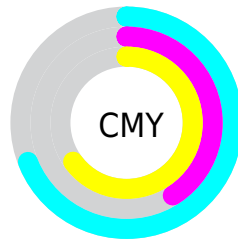


Cyan (48%)

Magenta (0%)

Yellow (40%)

Black (41%)



Cyan (69%)


Magenta (41%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4911, 0.2968, 0.4527 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 24.4911, 0.2968, 0.4527 by changing the saturation by 10% instead.


 24.4911, 0.2968,
0.4527


 24.4911, 0.2968,
0.4527


275.2940, 0.3079,
0.3802


 15.6983, 0.2923,
0.4753


 50.8304, 0.3019,
0.4233

 9.3109, 0.2852,
0.5075


 69.1458, 0.3035,
0.4132


 4.9445, 0.2725,
0.5567

 91.4041, 0.3047,
0.4051

 2.2148, 0.2590,
0.6710

 117.9897, 0.3056,
0.3984

 0.7280, 0.0000,
1.0000

 149.2872, 0.3064,
0.3927

 0.0000, 0.0000,
0.0000

185.6808, 0.3070,

0.3880

227.5549, 0.3075,
0.3838

■ 24.4911, 0.2968,
0.4527

■ 24.4911, 0.2968,
0.4527

■ 23.7283, 0.2946,
0.4833

■ 25.4389, 0.2996,
0.4229

■ 23.1355, 0.2933,
0.5131

■ 26.5797, 0.3029,
0.3948

■ 22.7003, 0.2930,
0.5404

■ 27.9244, 0.3063,
0.3691


■ 22.4071, 0.2938,
0.5635


■ 29.4824, 0.3098,
0.3461


■ 22.2270, 0.2953,
0.5812

■ 31.2625, 0.3133,
0.3257

 22.2010, 0.2955,
0.5837

 33.2730, 0.3166,
0.3079

 35.5217, 0.3197,
0.2924

 38.0161, 0.3227,
0.2789

 40.7634, 0.3254,
0.2672

Harmonies

Analogous

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



24.4911, 0.3701, 0.4695



24.4911, 0.2968, 0.4527



24.4911, 0.2317, 0.3850

Triad

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



24.4911, 0.2968, 0.4527



24.4911, 0.1988, 0.2167



24.4911, 0.4503, 0.3299

Complementary

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



24.4911, 0.2968, 0.4527



13.9011, 0.3352, 0.2312

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.



24.4911, 0.3924, 0.2777



24.4911, 0.2968, 0.4527



24.4911, 0.2443, 0.2155

Square

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



24.4911, 0.2968, 0.4527



24.4911, 0.1809, 0.2450



24.4911, 0.3139, 0.2373



24.4911, 0.4637, 0.3864

Rectangle

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



24.4911, 0.2968, 0.4527



24.4911, 0.2016, 0.3296



24.4911, 0.3139, 0.2373



24.4911, 0.4352, 0.3117

Sweetspot

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



24.4921, 0.2968, 0.4527



51.0887, 0.3078, 0.3595



28.2631, 0.3695, 0.4488



11.4883, 0.3070, 0.3643



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.4921, 0.2968, 0.4527



42.3945, 0.2945, 0.4859



25.2467, 0.2691, 0.3786



6.9413, 0.3095, 0.3481



18.8910, 0.2952, 0.5829



0.2861, 0.2790, 0.5245

Inverse Universe

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



13.9011, 0.3352, 0.2312



21.0907, 0.3417, 0.2125



13.0264, 0.3945, 0.2860



6.3063, 0.3161, 0.3106



6.8884, 0.3660, 0.1790



0.1071, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 24.4911, 0.2968, 0.4527 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 24.4911, 0.2968, 0.4527 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 24.4911, 0.2968, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 24.4911, 0.2968, 0.4527.



This preview shows how white text looks on a background with the Yxy color 24.4911, 0.2968, 0.4527.

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

24.4911, 0.2968, 0.4527

Protanopia

24.1711, 0.3822, 0.4143

Deuteranopia

24.1038, 0.3913, 0.3832



Tritanopia

24.3386, 0.2556, 0.3072

Trichromacy



Original Color

24.4911, 0.2968, 0.4527

Protanomaly

23.8592, 0.3466, 0.4300

Deuteranomaly

23.5069, 0.3520, 0.4080

Tritanomaly

24.2712, 0.2712, 0.3577

Monochromacy



Original Color

24.4911, 0.2968, 0.4527

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.9650, 0.3061, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4911, 0.2968, 0.4527 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(78, 151, 90)` looks like.

```
.text, #text, p{  
    color:rgb(78, 151, 90)  
}
```

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(78, 151, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 151, 90) }
```

Border

The CSS property to change the border of an element to Yxy 24.4911, 0.2968, 0.4527 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(78, 151, 90) }
```

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

```
.border{ border-color:rgb(78, 151, 90) }
```

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

Here you see how a box with a 4 pixel rgb(78, 151, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 151, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 151, 90);  
box-shadow:4px 4px 4px 4px rgb(78, 151,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4911, 0.2968, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 151, 90) }
```

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

```
.background{ background-color: rgb(78, 151,  
90) }
```

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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