

Converting Colors

$Y_{xy}(22.5749, 0.3095, 0.4854)$

Have a look what the booklet for
Yxy(22.5749, 0.3095, 0.4854)
contains.

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Color

Yxy(22.5492, 0.3096, 0.4849)

Conversions

Conversions Part 1

Format	Color
Hex	4C9247
RGB	76, 146, 71
RGB Percent	30%, 57%, 28%
CMY	0.7019, 0.4274, 0.7215
CMYK	0.48, 0.00, 0.51, 0.43
HSL	116°, 35%, 43%
HSV	116°, 51%, 57%
XYZ	14.3973, 22.5492, 9.5563
YIQ	116.5200, -17.6450, -38.1650

Conversions

Conversions Part 2

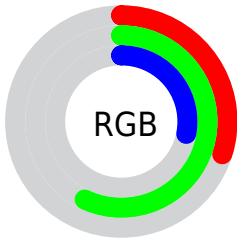
Format	Color
R_{YB}	71, 146, 141
Decimal	5018183
CIE _{Lab}	54.60, -37.80, 32.85
CIE _{LCh}	55, 50.080, 139.005
Yxy	22.5492, 0.3096, 0.4849
Android (android.graphics.Color)	4283208263 (0xFF4C9247)
YUV	116.5200, -22.4414, -35.5360
Hunter-Lab	47.4860, -28.9811, 21.3084

Details

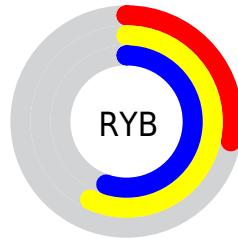
The Yxy color **22.5492, 0.3096, 0.4849** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.2465, 0.3110, 0.2067**, and the grayscale version is **17.7088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8996, 0.3135, 0.4476**, and **8.3749, 0.2985, 0.5561** is the 20% darker color. If you saturate the color by 10%, you get **21.8843, 0.3082, 0.5182**, and if you desaturate by 10%, it is **23.3793, 0.3107, 0.4506**.

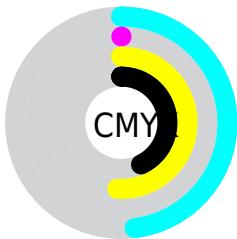
Distribution



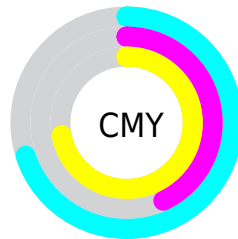
- Red (30%)
- Green (57%)
- Blue (28%)



- Red (28%)
- Yellow (57%)
- Blue (55%)



- Cyan (48%)
- Magenta (0%)
- Yellow (51%)
- Black (43%)




- Cyan (70%)
- Magenta (43%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5492, 0.3096, 0.4849 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 22.5492, 0.3096, 0.4849 by changing the saturation by 10% instead.


 22.5492, 0.3096,
0.4849


 22.5492, 0.3096,
0.4849


265.4011, 0.3151,
0.3924


 14.2610, 0.3057,
0.5140


 47.6520, 0.3131,
0.4471


 8.3024, 0.2982,
0.5553

 65.2355, 0.3139,
0.4342


 4.2891, 0.2838,
0.6195

 86.6861, 0.3144,
0.4239

 1.8365, 0.2506,
0.7494

 112.3883, 0.3147,
0.4153

 0.5098, 0.0000,
1.0000

 142.7265, 0.3149,
0.4082

 0.0000, 0.0000,
0.0000

178.0851, 0.3150,

0.4021

218.8485, 0.3151,
0.3969

■ 22.5492, 0.3096,
0.4849

■ 22.5492, 0.3096,
0.4849

■ 21.8843, 0.3082,
0.5182

■ 23.3793, 0.3107,
0.4506

■ 21.3709, 0.3065,
0.5482

■ 24.3816, 0.3116,
0.4171

■ 20.9979, 0.3046,
0.5723

■ 25.5660, 0.3122,
0.3859

■ 20.7513, 0.3028,
0.5890

■ 26.9411, 0.3125,
0.3575

■ 20.6211, 0.3019,
0.5985

■ 28.5146, 0.3127,
0.3322

■ 30.2941, 0.3127,
0.3100

■ 32.2865, 0.3127,
0.2907

■ 34.4987, 0.3125,
0.2740

■ 36.9371, 0.3124,
0.2596

Harmonies

Analogous

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



22.5492, 0.3922, 0.4868



22.5492, 0.3096, 0.4849



22.5492, 0.2322, 0.4145

Triad

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



22.5492, 0.3096, 0.4849



22.5492, 0.1771, 0.2051



22.5492, 0.4621, 0.3151

Complementary

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



22.5492, 0.3096, 0.4849



12.2465, 0.3110, 0.2067

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.



22.5492, 0.3864, 0.2594



22.5492, 0.3096, 0.4849



22.5492, 0.2210, 0.1988

Square

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



22.5492, 0.3096, 0.4849



22.5492, 0.1635, 0.2424



22.5492, 0.2948, 0.2183



22.5492, 0.4879, 0.3774

Rectangle

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



22.5492, 0.3096, 0.4849



22.5492, 0.1944, 0.3483



22.5492, 0.2948, 0.2183



22.5492, 0.4411, 0.2954

Sweetspot

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



22.5502, 0.3096, 0.4849



46.5290, 0.3124, 0.3683



25.6167, 0.3892, 0.4428



10.2496, 0.3123, 0.3736



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.5502, 0.3096, 0.4849



38.4141, 0.3079, 0.5242



22.8878, 0.2801, 0.4176



6.4858, 0.3126, 0.3518



18.1502, 0.3020, 0.5984



0.2258, 0.3118, 0.5906

Inverse Universe

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



12.2465, 0.3110, 0.2067



18.0704, 0.3098, 0.1836



11.8227, 0.3714, 0.2565



5.8897, 0.3127, 0.3071



6.4565, 0.3047, 0.1452



0.0838, 0.3133, 0.1500

Previews

White Background



This preview shows how the Yxy color 22.5492, 0.3096, 0.4849 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 22.5492, 0.3096, 0.4849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

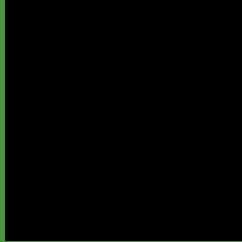
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5492, 0.3096, 0.4849

Background



This preview shows how black text looks on a background with the Yxy color 22.5492, 0.3096, 0.4849.



This preview shows how white text looks on a background with the Yxy color 22.5492, 0.3096, 0.4849.

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

22.5492, 0.3096, 0.4849

Protanopia

22.2879, 0.4003, 0.4359

Deuteranopia

22.2202, 0.4119, 0.4041



Tritanopia

22.6222, 0.2580, 0.3084

Trichromacy



Original Color

22.5492, 0.3096, 0.4849

Protanomaly

21.9476, 0.3622, 0.4555

Deuteranomaly

21.5997, 0.3694, 0.4331

Tritanomaly

22.4087, 0.2768, 0.3689

Monochromacy



Original Color

22.5492, 0.3096, 0.4849

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.1832, 0.3123, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5492, 0.3096, 0.4849 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(76, 146, 71)` looks like.

```
.text, #text, p{  
    color:rgb(76, 146, 71)  
}
```

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(76, 146, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 146, 71) }
```

Border

The CSS property to change the border of an element to Yxy 22.5492, 0.3096, 0.4849 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(76, 146, 71) }
```

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

```
.border{ border-color:rgb(76, 146, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 146, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 146, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 146, 71);  
box-shadow:4px 4px 4px 4px rgb(76, 146,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5492, 0.3096, 0.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 146, 71) }
```

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

```
.background{ background-color: rgb(76, 146,  
71) }
```

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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