

Converting Colors

$Yxy(21.1434, 0.2953, 0.4126)$

Have a look what the booklet for
Yxy(21.1434, 0.2953, 0.4126)
contains.

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Color

Yxy(21.2974, 0.2949, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	558B63
RGB	85, 139, 99
RGB Percent	33%, 55%, 39%
CMY	0.6668, 0.4549, 0.6117
CMYK	0.39, 0.00, 0.29, 0.45
HSL	136°, 24%, 44%
HSV	136°, 39%, 55%
XYZ	15.2294, 21.2974, 15.1158
YIQ	118.2940, -19.3440, -23.8880

Conversions

Conversions Part 2

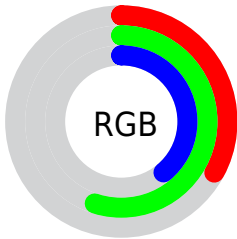
Format	Color
R_{YB}	85, 128, 139
Decimal	5606243
CIE _{Lab}	53.27, -27.02, 15.88
CIE _{LCh}	53, 31.341, 149.560
Y _{xy}	21.2974, 0.2949, 0.4124
Android (android.graphics.Color)	4283796323 (0xFF558B63)
YUV	118.2940, -9.5119, -29.1988
Hunter-Lab	46.1491, -21.8552, 12.8844

Details

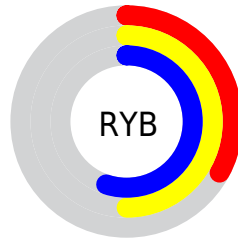
The Yxy color **21.2974, 0.2949, 0.4124** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.4614, 0.3376, 0.2583**, and the grayscale version is **18.2473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6603, 0.2998, 0.3923**, and **7.5847, 0.2851, 0.4502** is the 20% darker color. If you saturate the color by 10%, you get **20.5262, 0.2913, 0.4387**, and if you desaturate by 10%, it is **22.2233, 0.2991, 0.3878**.

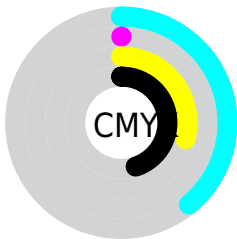
Distribution



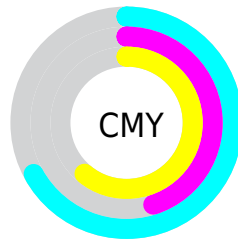
- Red (33%)
- Green (55%)
- Blue (39%)



- Red (33%)
- Yellow (50%)
- Blue (55%)



- Cyan (39%)
- Magenta (0%)
- Yellow (29%)
- Black (45%)



- Cyan (67%)
- Magenta (45%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2974, 0.2949, 0.4124 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 21.2974, 0.2949, 0.4124 by changing the saturation by 10% instead.


 21.2974, 0.2949,
0.4124


 21.2974, 0.2949,
0.4124


258.8548, 0.3060,
0.3632


 13.3416, 0.2910,
0.4281


 45.5820, 0.2997,
0.3922


 7.6642, 0.2850,
0.4510


 62.6795, 0.3012,
0.3854

 3.8808, 0.2748,
0.4872

 83.5930, 0.3024,
0.3799

 1.6071, 0.2601,
0.5671

 108.7070, 0.3034,
0.3754

 0.3624, 0.0000,
1.0000

 138.4057, 0.3043,
0.3716

 0.0000, 0.0000,
0.0000

173.0737, 0.3049,

0.3684

213.0953, 0.3055,
0.3656

■ 21.2974, 0.2949,
0.4124

■ 21.2974, 0.2949,
0.4124

■ 20.5262, 0.2913,
0.4387

■ 22.2233, 0.2991,
0.3878

■ 19.8985, 0.2885,
0.4660

■ 23.3089, 0.3037,
0.3653

■ 19.4059, 0.2870,
0.4933


■ 24.5625, 0.3085,
0.3451

■ 19.0380, 0.2868,
0.5194


■ 25.9909, 0.3132,
0.3271

■ 18.7828, 0.2880,
0.5429

■ 27.6004, 0.3179,
0.3112


 18.6128, 0.2901,
0.5629

 29.3972, 0.3224,
0.2974

 18.5955, 0.2903,
0.5650

 31.3871, 0.3266,
0.2852

 33.5757, 0.3307,
0.2747

 35.9682, 0.3344,
0.2655

Harmonies

Analogous

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



21.2974, 0.3507, 0.4327



21.2974, 0.2949, 0.4124



21.2974, 0.2466, 0.3618

Triad

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



21.2974, 0.2949, 0.4124



21.2974, 0.2291, 0.2416



21.2974, 0.4182, 0.3386

Complementary

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



21.2974, 0.2949, 0.4124



13.4614, 0.3376, 0.2583

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.



21.2974, 0.3796, 0.2961



21.2974, 0.2949, 0.4124



21.2974, 0.2682, 0.2425

Square

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



21.2974, 0.2949, 0.4124



21.2974, 0.2115, 0.2622



21.2974, 0.3230, 0.2621



21.2974, 0.4246, 0.3824

Rectangle

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



21.2974, 0.2949, 0.4124



21.2974, 0.2245, 0.3229



21.2974, 0.3230, 0.2621



21.2974, 0.4085, 0.3239

Sweetspot

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



21.2983, 0.2949, 0.4124



43.1877, 0.3069, 0.3517



23.5202, 0.3526, 0.4274



9.8933, 0.3063, 0.3539



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.2983, 0.2949, 0.4124



36.8623, 0.2916, 0.4364



21.8906, 0.2717, 0.3559



5.6282, 0.3084, 0.3456



16.7839, 0.2901, 0.5642



0.1136, 0.2688, 0.4878

Inverse Universe

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



13.4614, 0.3376, 0.2583



20.6885, 0.3454, 0.2423



12.8726, 0.3811, 0.3043



5.1071, 0.3174, 0.3130



5.8384, 0.3973, 0.1962



0.0412, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 21.2974, 0.2949, 0.4124 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 21.2974, 0.2949, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

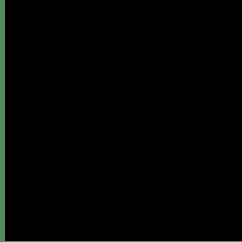
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2974, 0.2949, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 21.2974, 0.2949, 0.4124.



This preview shows how white text looks on a background with the Yxy color 21.2974, 0.2949, 0.4124.

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

21.2974, 0.2949, 0.4124

Protanopia

21.2033, 0.3629, 0.3903

Deuteranopia

21.1014, 0.3677, 0.3618



Tritanopia

21.2216, 0.2633, 0.3081

Trichromacy



Original Color

21.2974, 0.2949, 0.4124

Protanomaly

20.8407, 0.3351, 0.3986

Deuteranomaly

20.6827, 0.3369, 0.3781

Tritanomaly

21.1106, 0.2740, 0.3427

Monochromacy



Original Color

21.2974, 0.2949, 0.4124

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1336, 0.3054, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2974, 0.2949, 0.4124 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(85, 139, 99)` looks like.

```
.text, #text, p{  
    color:rgb(85, 139, 99)  
}
```

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(85, 139, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 139, 99) }
```

Border

The CSS property to change the border of an element to Yxy 21.2974, 0.2949, 0.4124 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(85, 139, 99) }
```

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

```
.border{ border-color:rgb(85, 139, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 139, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 139, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 139, 99);  
box-shadow:4px 4px 4px 4px rgb(85, 139,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.2974, 0.2949, 0.4124$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 139, 99) }
```

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

```
.background{ background-color: rgb(85, 139,  
99) }
```

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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