

Converting Colors

$Y_{xy}(21.4140, 0.3005, 0.4813)$

Have a look what the booklet for
Yxy(21.4140, 0.3005, 0.4813)
contains.

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Color

Yxy(21.3193, 0.3006, 0.4804)

Conversions

Conversions Part 1

Format	Color
Hex	438F49
RGB	67, 143, 73
RGB Percent	26%, 56%, 29%
CMY	0.7373, 0.4392, 0.7136
CMYK	0.53, 0.00, 0.49, 0.44
HSL	125°, 36%, 41%
HSV	125°, 53%, 56%
XYZ	13.3401, 21.3193, 9.7188
YIQ	112.2960, -22.8260, -37.8820

Conversions

Conversions Part 2

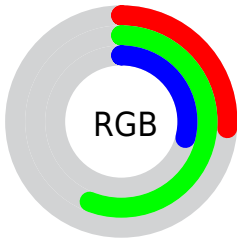
Format	Color
R _Y B	67, 137, 143
Decimal	4427593
CIE Lab	53.30, -38.85, 30.10
CIE LCh	53, 49.146, 142.237
Yxy	21.3193, 0.3006, 0.4804
Android (android.graphics.Color)	4282617673 (0xFF438F49)
YUV	112.2960, -19.3729, -39.7246
Hunter-Lab	46.1728, -29.2308, 19.8411

Details

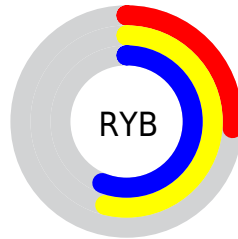
The Yxy color **21.3193, 0.3006, 0.4804** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.6591, 0.3276, 0.2140**, and the grayscale version is **16.3585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4275, 0.3060, 0.4423**, and **7.7289, 0.2867, 0.5521** is the 20% darker color. If you saturate the color by 10%, you get **20.7191, 0.2990, 0.5126**, and if you desaturate by 10%, it is **22.0831, 0.3026, 0.4476**.

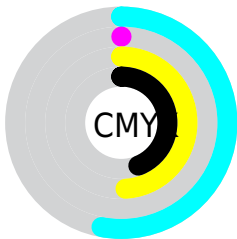
Distribution



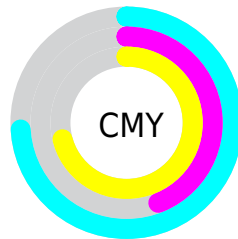
- Red (26%)
- Green (56%)
- Blue (29%)



- Red (26%)
- Yellow (54%)
- Blue (56%)



- Cyan (53%)
- Magenta (0%)
- Yellow (49%)
- Black (44%)





- Cyan (74%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3193, 0.3006, 0.4804 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 21.3193, 0.3006, 0.4804 by changing the saturation by 10% instead.


 21.3193, 0.3006,
0.4804


 21.3193, 0.3006,
0.4804


258.9706, 0.3109,
0.3896


 13.3576, 0.2954,
0.5097


 45.6183, 0.3059,
0.4429

 7.6753, 0.2862,
0.5519


 62.7245, 0.3074,
0.4303

 3.8879, 0.2692,
0.6188

 83.6475, 0.3085,
0.4201

 1.6110, 0.2186,
0.7814

 108.7719, 0.3092,
0.4118

 0.3650, 0.0000,
1.0000

 138.4820, 0.3098,
0.4049

 0.0000, 0.0000,
0.0000

173.1622, 0.3103,

0.3990

213.1969, 0.3106,
0.3940

■ 21.3193, 0.3006,
0.4804

■ 21.3193, 0.3006,
0.4804

■ 20.7191, 0.2990,
0.5126

■ 22.0831, 0.3026,
0.4476

■ 20.2681, 0.2980,
0.5420

■ 23.0183, 0.3049,
0.4160

■ 19.9538, 0.2977,
0.5666

■ 24.1356, 0.3073,
0.3864

■ 19.7607, 0.2981,
0.5847

■ 25.4438, 0.3097,
0.3597

■ 19.6707, 0.2981,
0.5932

■ 26.9513, 0.3120,
0.3359

■ 28.6660, 0.3142,
0.3150

■ 30.5952, 0.3162,
0.2969

■ 32.7462, 0.3181,
0.2812

■ 35.1255, 0.3198,
0.2676

Harmonies

Analogous

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



21.3193, 0.3838, 0.4896



21.3193, 0.3006, 0.4804



21.3193, 0.2252, 0.4041

Triad

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



21.3193, 0.3006, 0.4804



21.3193, 0.1804, 0.2030



21.3193, 0.4677, 0.3216

Complementary

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



21.3193, 0.3006, 0.4804



11.6591, 0.3276, 0.2140

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.



21.3193, 0.3960, 0.2648



21.3193, 0.3006, 0.4804



21.3193, 0.2276, 0.1998

Square

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



21.3193, 0.3006, 0.4804



21.3193, 0.1636, 0.2367



21.3193, 0.3043, 0.2218



21.3193, 0.4871, 0.3843

Rectangle

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



21.3193, 0.3006, 0.4804



21.3193, 0.1897, 0.3377



21.3193, 0.3043, 0.2218



21.3193, 0.4485, 0.3017

Sweetspot

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



21.3202, 0.3006, 0.4804



44.7793, 0.3089, 0.3679



25.4487, 0.3815, 0.4556



10.1695, 0.3085, 0.3727



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.



21.3202, 0.3006, 0.4804



36.9031, 0.2987, 0.5194



21.9661, 0.2712, 0.3983



6.0359, 0.3106, 0.3499



17.3933, 0.2980, 0.5928



0.1674, 0.2889, 0.5600

Inverse Universe

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



11.6591, 0.3276, 0.2140



17.6364, 0.3315, 0.1936



10.7724, 0.3938, 0.2714



5.5038, 0.3148, 0.3090



6.6296, 0.3413, 0.1654



0.0648, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 21.3193, 0.3006, 0.4804 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 21.3193, 0.3006, 0.4804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

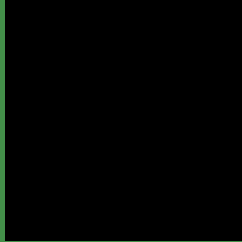
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3193, 0.3006, 0.4804

Background



This preview shows how black text looks on a background with the Yxy color 21.3193, 0.3006, 0.4804.



This preview shows how white text looks on a background with the Yxy color 21.3193, 0.3006, 0.4804.

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

21.3193, 0.3006, 0.4804

Protanopia

21.0730, 0.3954, 0.4328

Deuteranopia

21.0116, 0.4056, 0.3985



Tritanopia

21.2881, 0.2531, 0.3077

Trichromacy



Original Color

21.3193, 0.3006, 0.4804

Protanomaly

20.7154, 0.3556, 0.4527

Deuteranomaly

20.3739, 0.3614, 0.4277

Tritanomaly

21.1286, 0.2711, 0.3681

Monochromacy



Original Color

21.3193, 0.3006, 0.4804

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.5346, 0.3078, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3193, 0.3006, 0.4804 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(67, 143, 73)` looks like.

```
.text, #text, p{  
    color:rgb(67, 143, 73)  
}
```

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(67, 143, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 143, 73) }
```

Border

The CSS property to change the border of an element to Yxy 21.3193, 0.3006, 0.4804 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(67, 143, 73) }
```

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

```
.border{ border-color:rgb(67, 143, 73) }
```

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

Here you see how a box with a 4 pixel rgb(67, 143, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 143, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 143, 73);  
box-shadow:4px 4px 4px 4px rgb(67, 143,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3193, 0.3006, 0.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 143, 73) }
```

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

```
.background{ background-color: rgb(67, 143,  
73) }
```

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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