

Converting Colors

$Y_{xy}(21.1839, 0.3090, 0.4205)$

Have a look what the booklet for
Yxy(21.1839, 0.3090, 0.4205)
contains.

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Color

Yxy(21.3470, 0.3094, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	5E8A5D
RGB	94, 138, 93
RGB Percent	37%, 54%, 36%
CMY	0.6314, 0.4588, 0.6352
CMYK	0.32, 0.00, 0.33, 0.46
HSL	119°, 19%, 45%
HSV	119°, 33%, 54%
XYZ	15.6808, 21.3470, 13.6536
YIQ	119.7140, -11.7790, -23.3230

Conversions

Conversions Part 2

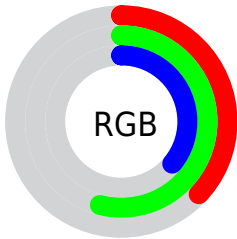
Format	Color
R_{YB}	93, 138, 137
Decimal	6195805
CIE _{Lab}	53.33, -24.60, 19.42
CIE _{LCh}	53, 31.340, 141.700
Yxy	21.3470, 0.3094, 0.4212
Android (android.graphics.Color)	4284385885 (0xFF5E8A5D)
YUV	119.7140, -13.1700, -22.5512
Hunter-Lab	46.2028, -20.2736, 14.8210

Details

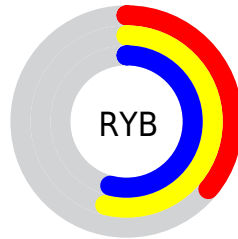
The Yxy color $21.3470, 0.3094, 0.4212$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.9869, 0.3150, 0.2508$, and the grayscale version is $18.7327, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.8239, 0.3110, 0.3988$, and $7.7346, 0.3049, 0.4656$ is the 20% darker color. If you saturate the color by 10%, you get $20.4726, 0.3080, 0.4550$, and if you desaturate by 10%, it is $22.3921, 0.3106, 0.3895$.

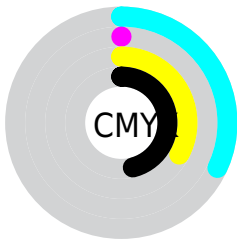
Distribution



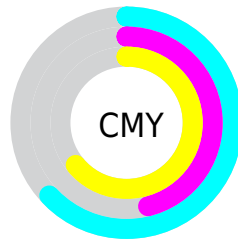
- Red (37%)
- Green (54%)
- Blue (36%)



- Red (36%)
- Yellow (54%)
- Blue (54%)



- Cyan (32%)
- Magenta (0%)
- Yellow (33%)
- Black (46%)




- Cyan (63%)
- Magenta (46%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3470, 0.3094, 0.4212 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 21.3470, 0.3094, 0.4212 by changing the saturation by 10% instead.


 21.3470, 0.3094,
0.4212


 21.3470, 0.3094,
0.4212


259.1169, 0.3126,
0.3669


 13.3779, 0.3077,
0.4385


 45.6643, 0.3111,
0.3990

 7.6893, 0.3047,
0.4635


 62.7813, 0.3115,
0.3914

 3.8968, 0.2985,
0.5027

 83.7164, 0.3119,
0.3854

 1.6160, 0.3008,
0.6061

 108.8540, 0.3121,
0.3803

 0.3683, 0.0000,
1.0000

138.5784, 0.3123,
0.3762

 0.0000, 0.0000,
0.0000

173.2741, 0.3124,

0.3726

213.3255, 0.3125,
0.3695

■ 21.3470, 0.3094,
0.4212

■ 21.3470, 0.3094,
0.4212

■ 20.4726, 0.3080,
0.4550

■ 22.3921, 0.3106,
0.3895

■ 19.7575, 0.3065,
0.4896

■ 23.6135, 0.3116,
0.3607

■ 19.1927, 0.3050,
0.5229


■ 25.0198, 0.3125,
0.3351


■ 18.7676, 0.3035,
0.5524


■ 26.6182, 0.3132,
0.3127


■ 18.4700, 0.3021,
0.5757

■ 28.4155, 0.3138,
0.2933

 18.2856, 0.3010,
0.5912

 30.4183, 0.3143,
0.2764

 18.1971, 0.3007,
0.5995

 32.6328, 0.3147,
0.2620

 35.0649, 0.3150,
0.2495

 37.7204, 0.3153,
0.2388

Harmonies

Analogous

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



21.3470, 0.3646, 0.4319



21.3470, 0.3094, 0.4212



21.3470, 0.2578, 0.3768

Triad

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



21.3470, 0.3094, 0.4212



21.3470, 0.2224, 0.2449



21.3470, 0.4108, 0.3270

Complementary

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



21.3470, 0.3094, 0.4212



14.9869, 0.3150, 0.2508

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.



21.3470, 0.3657, 0.2861



21.3470, 0.3094, 0.4212



21.3470, 0.2561, 0.2404

Square

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



21.3470, 0.3094, 0.4212



21.3470, 0.2108, 0.2713



21.3470, 0.3077, 0.2554



21.3470, 0.4262, 0.3712

Rectangle

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



21.3470, 0.3094, 0.4212



21.3470, 0.2321, 0.3380



21.3470, 0.3077, 0.2554



21.3470, 0.3984, 0.3126

Sweetspot

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



21.3479, 0.3094, 0.4212



42.1822, 0.3119, 0.3543



23.9444, 0.3608, 0.4049



9.3968, 0.3118, 0.3575



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.3479, 0.3094, 0.4212



36.4828, 0.3084, 0.4455



21.7209, 0.2889, 0.3771



5.6131, 0.3120, 0.3515



16.6844, 0.3007, 0.5995



0.1114, 0.3040, 0.5969

Inverse Universe

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



14.9869, 0.3150, 0.2508



23.4921, 0.3154, 0.2340



14.5198, 0.3464, 0.2856



5.1235, 0.3134, 0.3074



6.4051, 0.3156, 0.1512



0.0434, 0.3185, 0.1528

Previews

White Background



This preview shows how the Yxy color 21.3470, 0.3094, 0.4212 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 21.3470, 0.3094, 0.4212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

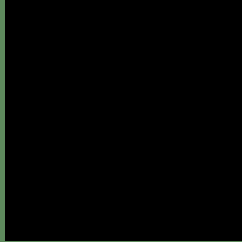
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3470, 0.3094, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 21.3470, 0.3094, 0.4212.



This preview shows how white text looks on a background with the Yxy color 21.3470, 0.3094, 0.4212.

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

21.3470, 0.3094, 0.4212

Protanopia

21.2017, 0.3700, 0.3988

Deuteranopia

21.1717, 0.3778, 0.3718



Tritanopia

21.3391, 0.2722, 0.3102

Trichromacy



Original Color

21.3470, 0.3094, 0.4212

Protanomaly

21.0357, 0.3454, 0.4071

Deuteranomaly

20.9500, 0.3500, 0.3883

Tritanomaly

21.2148, 0.2861, 0.3485

Monochromacy



Original Color

21.3470, 0.3094, 0.4212

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.6840, 0.3123, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3470, 0.3094, 0.4212 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(94, 138, 93)` looks like.

```
.text, #text, p{  
    color:rgb(94, 138, 93)  
}
```

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(94, 138, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 138, 93) }
```

Border

The CSS property to change the border of an element to Yxy 21.3470, 0.3094, 0.4212 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(94, 138, 93) }
```

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

```
.border{ border-color:rgb(94, 138, 93) }
```

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

Here you see how a box with a 4 pixel rgb(94, 138, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 138, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 138, 93);  
box-shadow:4px 4px 4px 4px rgb(94, 138,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3470, 0.3094, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 138, 93) }
```

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

```
.background{ background-color: rgb(94, 138,  
93) }
```

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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