

Converting Colors

$Y_{xy}(22.3633, 0.3195, 0.4479)$

Have a look what the booklet for
Yxy(22.3633, 0.3195, 0.4479)
contains.

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Color

Yxy(22.4034, 0.3189, 0.4479)

Conversions

Conversions Part 1

Format	Color
Hex	5F8E53
RGB	95, 142, 83
RGB Percent	37%, 56%, 33%
CMY	0.6276, 0.4431, 0.6746
CMYK	0.33, 0.00, 0.42, 0.44
HSL	108°, 26%, 44%
HSV	108°, 42%, 56%
XYZ	15.9510, 22.4034, 11.6644
YIQ	121.2210, -9.0730, -28.3130

Conversions

Conversions Part 2

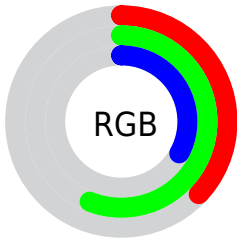
Format	Color
RYB	83, 142, 130
Decimal	6262355
CIELab	54.45, -27.88, 26.48
CIELCh	54, 38.452, 136.472
Yxy	22.4034, 0.3189, 0.4479
Android (android.graphics.Color)	4284452435 (0xFF5F8E53)
YUV	121.2210, -18.8430, -22.9958
Hunter-Lab	47.3322, -22.6768, 18.5214

Details

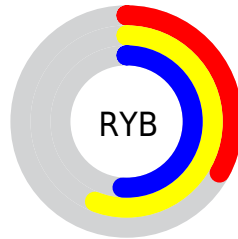
The Yxy color **22.4034, 0.3189, 0.4479** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.8857, 0.3002, 0.2251**, and the grayscale version is **19.2582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3764, 0.3191, 0.4199**, and **8.1674, 0.3158, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **21.6446, 0.3191, 0.4807**, and if you desaturate by 10%, it is **23.2971, 0.3180, 0.4158**.

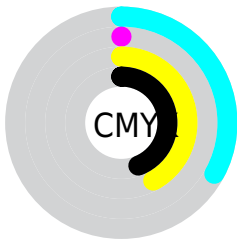
Distribution



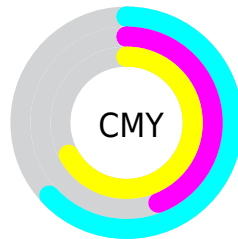
- Red (37%)
- Green (56%)
- Blue (33%)



- Red (33%)
- Yellow (56%)
- Blue (51%)



- Cyan (33%)
- Magenta (0%)
- Yellow (42%)
- Black (44%)





- Cyan (63%)
- Magenta (44%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4034, 0.3189, 0.4479 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 22.4034, 0.3189, 0.4479 by changing the saturation by 10% instead.


 22.4034, 0.3189,
0.4479


 22.4034, 0.3189,
0.4479


264.6457, 0.3176,
0.3780


 14.1536, 0.3180,
0.4698


 47.4118, 0.3192,
0.4195


 8.2276, 0.3155,
0.5010


 64.9393, 0.3190,
0.4098

 4.2409, 0.3091,
0.5484

 86.3280, 0.3188,
0.4019

 1.8092, 0.3171,
0.6829

 111.9625, 0.3185,
0.3955

 0.4929, 0.0000,
1.0000

 142.2272, 0.3183,
0.3901

 0.0000, 0.0000,
0.0000

177.5063, 0.3180,

0.3855

218.1844, 0.3178,
0.3815

■ 22.4034, 0.3189,
0.4479

■ 22.4034, 0.3189,
0.4479

■ 21.6446, 0.3191,
0.4807

■ 23.2971, 0.3180,
0.4158

■ 21.0112, 0.3184,
0.5126

■ 24.3290, 0.3167,
0.3855

■ 20.4972, 0.3167,
0.5415

■ 25.5056, 0.3149,
0.3577

■ 20.0946, 0.3141,
0.5655


■ 26.8324, 0.3130,
0.3327

■ 19.7946, 0.3108,
0.5829


■ 28.3144, 0.3110,
0.3104

 19.6074, 0.3081,
0.5936

 29.9565, 0.3090,
0.2907

 31.7633, 0.3070,
0.2735

 33.7393, 0.3051,
0.2584

 35.8888, 0.3033,
0.2452

Harmonies

Analogous

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



22.4034, 0.3837, 0.4505



22.4034, 0.3189, 0.4479



22.4034, 0.2558, 0.3992

Triad

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



22.4034, 0.3189, 0.4479



22.4034, 0.2018, 0.2324



22.4034, 0.4240, 0.3163

Complementary

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



22.4034, 0.3189, 0.4479



12.8857, 0.3002, 0.2251

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.



22.4034, 0.3644, 0.2706



22.4034, 0.3189, 0.4479



22.4034, 0.2364, 0.2238

Square

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



22.4034, 0.3189, 0.4479



22.4034, 0.1929, 0.2669



22.4034, 0.2942, 0.2378



22.4034, 0.4491, 0.3677

Rectangle

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



22.4034, 0.3189, 0.4479



22.4034, 0.2232, 0.3516



22.4034, 0.2942, 0.2378



22.4034, 0.4070, 0.3001

Sweetspot

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



22.4044, 0.3189, 0.4479



44.8198, 0.3151, 0.3595



22.1347, 0.3807, 0.4091



9.9575, 0.3153, 0.3625



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.



22.4044, 0.3189, 0.4479



38.2275, 0.3191, 0.4790



22.1016, 0.2926, 0.4165



6.0789, 0.3145, 0.3515



17.6089, 0.3083, 0.5934



0.1761, 0.3336, 0.5733

Inverse Universe

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



12.8857, 0.3002, 0.2251



19.0587, 0.2961, 0.2021



13.4242, 0.3420, 0.2555



5.4565, 0.3107, 0.3071



4.9234, 0.2713, 0.1268



0.0561, 0.2966, 0.1408

Previews

White Background



This preview shows how the Yxy color 22.4034, 0.3189, 0.4479 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 22.4034, 0.3189, 0.4479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

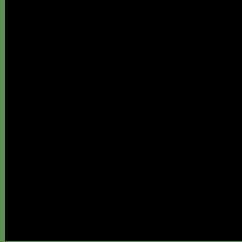
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4034, 0.3189, 0.4479

Background



This preview shows how black text looks on a background with the Yxy color 22.4034, 0.3189, 0.4479.



This preview shows how white text looks on a background with the Yxy color 22.4034, 0.3189, 0.4479.

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

22.4034, 0.3189, 0.4479

Protanopia

22.2661, 0.3856, 0.4185

Deuteranopia

22.0720, 0.3965, 0.3899



Tritanopia

22.4365, 0.2730, 0.3106

Trichromacy



Original Color

22.4034, 0.3189, 0.4479

Protanomaly

21.9894, 0.3594, 0.4288

Deuteranomaly

21.8910, 0.3648, 0.4102

Tritanomaly

22.4069, 0.2904, 0.3598

Monochromacy



Original Color

22.4034, 0.3189, 0.4479

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2068, 0.3165, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4034, 0.3189, 0.4479 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(95, 142, 83)` looks like.

```
.text, #text, p{  
    color:rgb(95, 142, 83)  
}
```

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(95, 142, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 142, 83) }
```

Border

The CSS property to change the border of an element to Yxy 22.4034, 0.3189, 0.4479 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(95, 142, 83) }
```

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

```
.border{ border-color:rgb(95, 142, 83) }
```

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

Here you see how a box with a 4 pixel rgb(95, 142, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 142, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 142, 83);  
box-shadow:4px 4px 4px 4px rgb(95, 142,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4034, 0.3189, 0.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 142, 83) }
```

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

```
.background{ background-color: rgb(95, 142,  
83) }
```

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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