

Converting Colors

$Y_{xy}(22.7555, 0.3429, 0.4309)$

Have a look what the booklet for
Yxy(22.7555, 0.3429, 0.4309)
contains.

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Color

Yxy(22.9030, 0.3425, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	758B55
RGB	117, 139, 85
RGB Percent	46%, 55%, 33%
CMY	0.5411, 0.4549, 0.6667
CMYK	0.16, 0.00, 0.39, 0.45
HSL	84°, 24%, 44%
HSV	84°, 39%, 55%
XYZ	18.2086, 22.9030, 12.0523
YIQ	126.2660, 4.2220, -21.4580

Conversions

Conversions Part 2

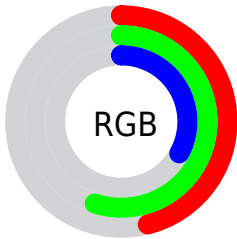
Format	Color
R_{YB}	85, 139, 107
Decimal	7703381
CIE _{Lab}	54.97, -17.68, 26.34
CIE _{LCh}	55, 31.720, 123.870
Yxy	22.9030, 0.3425, 0.4308
Android (android.graphics.Color)	4285893461 (0xFF758B55)
YUV	126.2660, -20.3441, -8.1263
Hunter-Lab	47.8571, -15.8343, 18.5685

Details

The Yxy color $22.9030, 0.3425, 0.4308$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.4837, 0.2720, 0.2236$, and the grayscale version is $21.0293, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.4352, 0.3374, 0.4083$, and $8.4780, 0.3493, 0.4748$ is the 20% darker color. If you saturate the color by 10%, you get $22.3240, 0.3486, 0.4585$, and if you desaturate by 10%, it is $23.5511, 0.3354, 0.4030$.

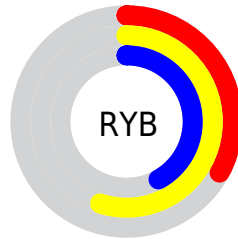
Distribution



Red (46%)

Green (55%)

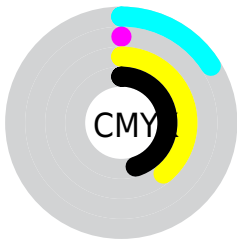
Blue (33%)



Red (33%)

Yellow (55%)

Blue (42%)

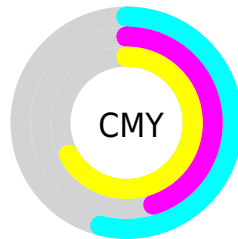


Cyan (16%)

Magenta (0%)

Yellow (39%)

Black (45%)



Cyan (54%)


Magenta (45%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9030, 0.3425, 0.4308 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 22.9030, 0.3425, 0.4308 by changing the saturation by 10% instead.


 22.9030, 0.3425,
0.4308


 22.9030, 0.3425,
0.4308


267.2264, 0.3274,
0.3722


 14.5219, 0.3459,
0.4485


 48.2340, 0.3371,
0.4073


 8.4845, 0.3497,
0.4733


 65.9527, 0.3351,
0.3992

 4.4065, 0.3532,
0.5099

 87.5527, 0.3333,
0.3926

 1.9035, 0.3830,
0.6170

 113.4184, 0.3318,
0.3871

 0.5505, 0.1427,
0.8573

 143.9343, 0.3304,
0.3825

 0.0000, 0.0000,
0.0000

179.4846, 0.3293,

0.3785

220.4539, 0.3283,
0.3751

■ 22.9030, 0.3425,
0.4308

■ 22.9030, 0.3425,
0.4308

■ 22.3240, 0.3486,
0.4585

■ 23.5511, 0.3354,
0.4030

■ 21.8082, 0.3533,
0.4851

■ 24.2680, 0.3277,
0.3760

■ 21.3533, 0.3561,
0.5092


■ 25.0574, 0.3198,
0.3503


■ 20.9557, 0.3568,
0.5298

■ 25.9217, 0.3118,
0.3264

■ 20.6112, 0.3552,
0.5457

■ 26.8631, 0.3041,
0.3044


 20.3105, 0.3519,
0.5578

 27.8839, 0.2967,
0.2843

 20.2778, 0.3515,
0.5591

 28.9861, 0.2897,
0.2662

 30.1717, 0.2831,
0.2500

 31.4428, 0.2770,
0.2353

Harmonies

Analogous

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



22.9030, 0.3920, 0.4212



22.9030, 0.3425, 0.4308



22.9030, 0.2875, 0.4055

Triad

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



22.9030, 0.3425, 0.4308



22.9030, 0.2137, 0.2587



22.9030, 0.3858, 0.3021

Complementary

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



22.9030, 0.3425, 0.4308



11.4837, 0.2720, 0.2236

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.



22.9030, 0.3313, 0.2669



22.9030, 0.3425, 0.4308



22.9030, 0.2343, 0.2415

Square

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



22.9030, 0.3425, 0.4308



22.9030, 0.2161, 0.2978



22.9030, 0.2758, 0.2452



22.9030, 0.4200, 0.3449

Rectangle

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



22.9030, 0.3425, 0.4308



22.9030, 0.2552, 0.3722



22.9030, 0.2758, 0.2452



22.9030, 0.3690, 0.2892

Sweetspot

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



22.9040, 0.3425, 0.4308



44.3762, 0.3225, 0.3588



16.5756, 0.3894, 0.3688



10.1889, 0.3233, 0.3617



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.



22.9040, 0.3425, 0.4308



40.0595, 0.3481, 0.4562



21.3148, 0.3129, 0.4408



5.7451, 0.3200, 0.3510



18.3111, 0.3518, 0.5589



0.1302, 0.3825, 0.5345

Inverse Universe

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



11.4837, 0.2720, 0.2236



16.4900, 0.2595, 0.1961



13.3946, 0.3093, 0.2344



4.9852, 0.3050, 0.3068



2.4666, 0.1883, 0.0811



0.0246, 0.2377, 0.1083

Previews

White Background



This preview shows how the Yxy color 22.9030, 0.3425, 0.4308 looks on a white background.

Color Contrast Check

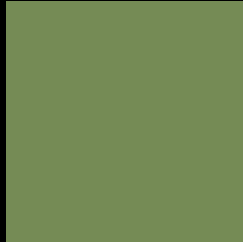
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9030, 0.3425, 0.4308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

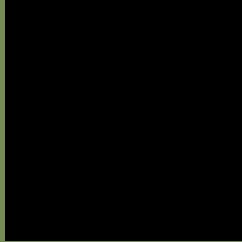
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9030, 0.3425, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 22.9030, 0.3425, 0.4308.



This preview shows how white text looks on a background with the Yxy color 22.9030, 0.3425, 0.4308.

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

22.9030, 0.3425, 0.4308

Protanopia

22.6814, 0.3819, 0.4131

Deuteranopia

22.7944, 0.3965, 0.3908



Tritanopia

22.8457, 0.2937, 0.3097

Trichromacy



Original Color

22.9030, 0.3425, 0.4308

Protanomaly

22.7431, 0.3676, 0.4197

Deuteranomaly

22.6715, 0.3752, 0.4052

Tritanomaly

22.8707, 0.3116, 0.3527

Monochromacy



Original Color

22.9030, 0.3425, 0.4308

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.5913, 0.3250, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9030, 0.3425, 0.4308 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(117, 139, 85)` looks like.

```
.text, #text, p{  
    color:rgb(117, 139, 85)  
}
```

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(117, 139, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 139, 85) }
```

Border

The CSS property to change the border of an element to Yxy 22.9030, 0.3425, 0.4308 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(117, 139, 85) }
```

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

```
.border{ border-color:rgb(117, 139, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 139, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 139, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 139, 85);  
box-shadow:4px 4px 4px 4px rgb(117, 139,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9030, 0.3425, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 139, 85) }
```

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

```
.background{ background-color: rgb(117,  
139, 85) }
```

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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