

Converting Colors

$Y_{xy}(25.2535, 0.3210, 0.4391)$

Have a look what the booklet for
Yxy(25.2535, 0.3210, 0.4391)
contains.

Yxy(25.2535, 0.3210, 0.4391)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.2535, 0.3210, 0.4391)$

Conversions

Conversions Part 1

Format	Color
Hex	69955B
RGB	105, 149, 91
RGB Percent	41%, 58%, 36%
CMY	0.5882, 0.4157, 0.6432
CMYK	0.30, 0.00, 0.39, 0.42
HSL	106°, 24%, 47%
HSV	106°, 39%, 58%
XYZ	18.4613, 25.2535, 13.7971
YIQ	129.2320, -7.6060, -27.3660

Conversions

Conversions Part 2

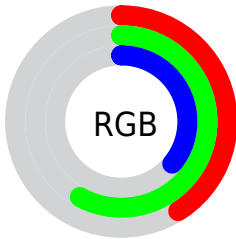
Format	Color
R_{YB}	91, 149, 135
Decimal	6919515
CIE _{Lab}	57.32, -26.48, 25.96
CIE _{LCh}	57, 37.081, 135.564
Yxy	25.2535, 0.3210, 0.4391
Android (android.graphics.Color)	4285109595 (0xFF69955B)
YUV	129.2320, -18.8484, -21.2515
Hunter-Lab	50.2529, -22.3672, 18.8987

Details

The Yxy color **25.2535, 0.3210, 0.4391** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8016, 0.2982, 0.2304**, and the grayscale version is **22.1084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9340, 0.3208, 0.4130**, and **9.7294, 0.3191, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **24.3829, 0.3218, 0.4716**, and if you desaturate by 10%, it is **26.2683, 0.3194, 0.4076**.

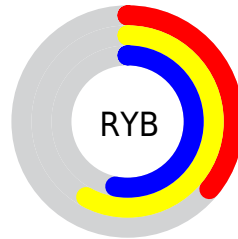
Distribution



Red (41%)

Green (58%)

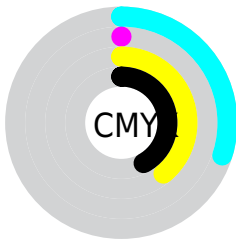
Blue (36%)



Red (36%)

Yellow (58%)

Blue (53%)

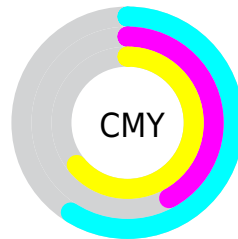


Cyan (30%)

Magenta (0%)

Yellow (39%)

Black (42%)



Cyan (59%)


Magenta (42%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2535, 0.3210, 0.4391 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 25.2535, 0.3210, 0.4391 by changing the saturation by 10% instead.


 25.2535, 0.3210,
0.4391


 25.2535, 0.3210,
0.4391


279.0980, 0.3183,
0.3757


 16.2660, 0.3207,
0.4583


 52.0682, 0.3206,
0.4137


 9.7126, 0.3195,
0.4853


 70.6642, 0.3202,
0.4049

 5.2088, 0.3157,
0.5254

 93.2318, 0.3199,
0.3978

 2.3703, 0.3162,
0.6132

 120.1554, 0.3195,
0.3918

 0.8105, 0.1327,
0.8673

151.8195, 0.3192,
0.3868

 0.0000, 0.0000,
0.0000

188.6083, 0.3188,

0.3826

230.9064, 0.3186,
0.3789

■ 25.2535, 0.3210,
0.4391

■ 25.2535, 0.3210,
0.4391

■ 24.3829, 0.3218,
0.4716

■ 26.2683, 0.3194,
0.4076

■ 23.6467, 0.3217,
0.5035

■ 27.4301, 0.3174,
0.3780

■ 23.0388, 0.3205,
0.5330


■ 28.7460, 0.3150,
0.3509

■ 22.5512, 0.3181,
0.5582


■ 30.2213, 0.3124,
0.3265

■ 22.1753, 0.3146,
0.5772


■ 31.8611, 0.3098,
0.3048


 21.8963, 0.3108,
0.5904

 33.6706, 0.3073,
0.2857

 21.8707, 0.3104,
0.5917

 35.6544, 0.3048,
0.2688

 37.8170, 0.3024,
0.2540

 40.1628, 0.3002,
0.2411

Harmonies

Analogous

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



25.2535, 0.3811, 0.4414



25.2535, 0.3210, 0.4391



25.2535, 0.2617, 0.3954

Triad

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



25.2535, 0.3210, 0.4391



25.2535, 0.2083, 0.2395



25.2535, 0.4145, 0.3163

Complementary

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



25.2535, 0.3210, 0.4391



14.8016, 0.2982, 0.2304

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.



25.2535, 0.3588, 0.2734



25.2535, 0.3210, 0.4391



25.2535, 0.2403, 0.2304

Square

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



25.2535, 0.3210, 0.4391



25.2535, 0.2007, 0.2731



25.2535, 0.2939, 0.2429



25.2535, 0.4392, 0.3646

Rectangle

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



25.2535, 0.3210, 0.4391



25.2535, 0.2306, 0.3522



25.2535, 0.2939, 0.2429



25.2535, 0.3985, 0.3010

Sweetspot

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



25.2546, 0.3210, 0.4391



50.6663, 0.3158, 0.3596



24.3341, 0.3775, 0.4016



11.1681, 0.3161, 0.3626



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.2546, 0.3210, 0.4391



43.8063, 0.3218, 0.4684



24.7500, 0.2953, 0.4143



6.5320, 0.3151, 0.3516



18.4185, 0.3108, 0.5914



0.2373, 0.3393, 0.5688

Inverse Universe

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



14.8016, 0.2982, 0.2304



22.2783, 0.2935, 0.2075



15.6062, 0.3370, 0.2569



5.8394, 0.3101, 0.3069



4.7962, 0.2619, 0.1216



0.0723, 0.2916, 0.1380

Previews

White Background



This preview shows how the Yxy color 25.2535, 0.3210, 0.4391 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 25.2535, 0.3210, 0.4391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

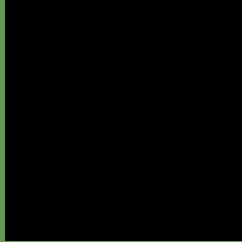
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2535, 0.3210, 0.4391

Background



This preview shows how black text looks on a background with the Yxy color 25.2535, 0.3210, 0.4391.



This preview shows how white text looks on a background with the Yxy color 25.2535, 0.3210, 0.4391.

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

25.2535, 0.3210, 0.4391

Protanopia

24.9528, 0.3813, 0.4133

Deuteranopia

24.9513, 0.3937, 0.3854



Tritanopia

25.2907, 0.2756, 0.3099

Trichromacy



Original Color

25.2535, 0.3210, 0.4391

Protanomaly

24.7409, 0.3576, 0.4222

Deuteranomaly

24.8247, 0.3651, 0.4039

Tritanomaly

25.2420, 0.2923, 0.3563

Monochromacy



Original Color

25.2535, 0.3210, 0.4391

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.8392, 0.3165, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2535, 0.3210, 0.4391 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(105, 149, 91)` looks like.

```
.text, #text, p{  
    color:rgb(105, 149, 91)  
}
```

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(105, 149, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 149, 91) }
```

Border

The CSS property to change the border of an element to Yxy 25.2535, 0.3210, 0.4391 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(105, 149, 91) }
```

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

```
.border{ border-color:rgb(105, 149, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 149, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 149, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 149, 91);  
box-shadow:4px 4px 4px 4px rgb(105, 149,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2535, 0.3210, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 149, 91) }
```

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

```
.background{ background-color: rgb(105,  
149, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor