

Converting Colors

$Y_{xy}(25.5258, 0.3495, 0.4623)$

Have a look what the booklet for
Yxy(25.5258, 0.3495, 0.4623)
contains.

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Color

Yxy(25.5258, 0.3495, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	76944A
RGB	118, 148, 74
RGB Percent	46%, 58%, 29%
CMY	0.5373, 0.4196, 0.7097
CMYK	0.20, 0.00, 0.50, 0.42
HSL	84°, 33%, 44%
HSV	84°, 50%, 58%
XYZ	19.2976, 25.5258, 10.3914
YIQ	130.5940, 5.8740, -29.3740

Conversions

Conversions Part 2

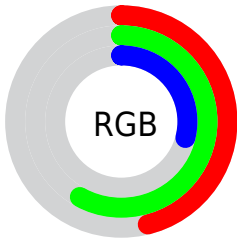
Format	Color
R_{YB}	74, 148, 104
Decimal	7771210
CIE _{Lab}	57.58, -23.30, 35.47
CIE _{LCh}	58, 42.440, 123.301
Yxy	25.5258, 0.3495, 0.4623
Android (android.graphics.Color)	4285961290 (0xFF76944A)
YUV	130.5940, -27.9008, -11.0449
Hunter-Lab	50.5231, -20.2363, 23.1716

Details

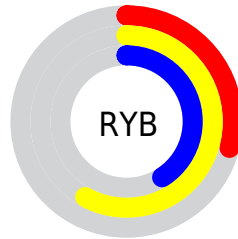
The Yxy color **25.5258, 0.3495, 0.4623** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.9827, 0.2562, 0.1893**, and the grayscale version is **22.6454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4670, 0.3446, 0.4328**, and **9.8173, 0.3546, 0.5138** is the 20% darker color. If you saturate the color by 10%, you get **24.9434, 0.3540, 0.4887**, and if you desaturate by 10%, it is **26.1842, 0.3435, 0.4345**.

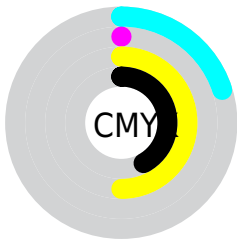
Distribution



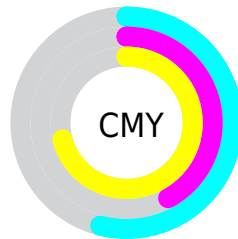
- Red (46%)
- Green (58%)
- Blue (29%)



- Red (29%)
- Yellow (58%)
- Blue (41%)



- Cyan (20%)
- Magenta (0%)
- Yellow (50%)
- Black (42%)





- Cyan (54%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5258, 0.3495, 0.4623 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 25.5258, 0.3495, 0.4623 by changing the saturation by 10% instead.


 25.5258, 0.3495,
0.4623


 25.5258, 0.3495,
0.4623


280.4464, 0.3322,
0.3866

 16.4692, 0.3526,
0.4842


 52.5089, 0.3439,
0.4325


 9.8568, 0.3551,
0.5140


 71.2043, 0.3415,
0.4220


 5.3041, 0.3553,
0.5561

 93.8814, 0.3394,
0.4134

 2.4268, 0.3596,
0.6404

 120.9246, 0.3376,
0.4062

 0.8396, 0.2144,
0.7856

 152.7183, 0.3360,
0.4002

 0.0000, 0.0000,
0.0000

189.6469, 0.3346,

0.3950

232.0948, 0.3333,
0.3905

■ 25.5258, 0.3495,
0.4623

■ 25.5258, 0.3495,
0.4623

■ 24.9434, 0.3540,
0.4887

■ 26.1842, 0.3435,
0.4345

■ 24.4296, 0.3565,
0.5125

■ 26.9186, 0.3364,
0.4066

■ 23.9815, 0.3569,
0.5324


■ 27.7335, 0.3287,
0.3792


■ 23.5939, 0.3550,
0.5477

■ 28.6318, 0.3207,
0.3532


■ 23.2550, 0.3514,
0.5592


■ 29.6163, 0.3127,
0.3290

 23.2546, 0.3514,
0.5592

 30.6899, 0.3049,
0.3066

 31.8549, 0.2974,
0.2863

 33.1140, 0.2903,
0.2679

 34.4693, 0.2836,
0.2513

Harmonies

Analogous

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



25.5258, 0.4127, 0.4444



25.5258, 0.3495, 0.4623



25.5258, 0.2800, 0.4316

Triad

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



25.5258, 0.3495, 0.4623



25.5258, 0.1890, 0.2395



25.5258, 0.4058, 0.2931

Complementary

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



25.5258, 0.3495, 0.4623



9.9827, 0.2562, 0.1893

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.



25.5258, 0.3342, 0.2506



25.5258, 0.3495, 0.4623



25.5258, 0.2134, 0.2194

Square

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



25.5258, 0.3495, 0.4623



25.5258, 0.1918, 0.2881



25.5258, 0.2638, 0.2244



25.5258, 0.4507, 0.3450

Rectangle

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



25.5258, 0.3495, 0.4623



25.5258, 0.2396, 0.3867



25.5258, 0.2638, 0.2244



25.5258, 0.3835, 0.2775

Sweetspot

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



25.5269, 0.3495, 0.4623



49.6567, 0.3250, 0.3669



16.6136, 0.4202, 0.3802



11.2671, 0.3265, 0.3719



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.



25.5269, 0.3495, 0.4623



43.8934, 0.3544, 0.4917



23.4432, 0.3120, 0.4794



6.6286, 0.3201, 0.3513



19.8784, 0.3518, 0.5589



0.2606, 0.3827, 0.5343

Inverse Universe

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



9.9827, 0.2562, 0.1893



13.2242, 0.2397, 0.1567



12.6664, 0.3075, 0.2081



5.7409, 0.3049, 0.3066



2.6625, 0.1877, 0.0808



0.0490, 0.2375, 0.1082

Previews

White Background



This preview shows how the Yxy color 25.5258, 0.3495, 0.4623 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 25.5258, 0.3495, 0.4623 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 25.5258, 0.3495, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 25.5258, 0.3495, 0.4623.



This preview shows how white text looks on a background with the Yxy color 25.5258, 0.3495, 0.4623.

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

25.5258, 0.3495, 0.4623

Protanopia

25.3073, 0.3988, 0.4355

Deuteranopia

25.3774, 0.4164, 0.4100



Tritanopia

25.5797, 0.2896, 0.3104

Trichromacy



Original Color

25.5258, 0.3495, 0.4623

Protanomaly

25.3893, 0.3804, 0.4459

Deuteranomaly

25.1968, 0.3908, 0.4280

Tritanomaly

25.3601, 0.3121, 0.3646

Monochromacy



Original Color

25.5258, 0.3495, 0.4623

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.4527, 0.3283, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5258, 0.3495, 0.4623 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(118, 148, 74)` looks like.

```
.text, #text, p{  
    color:rgb(118, 148, 74)  
}
```

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(118, 148, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 148, 74) }
```

Border

The CSS property to change the border of an element to Yxy 25.5258, 0.3495, 0.4623 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(118, 148, 74) }
```

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

```
.border{ border-color:rgb(118, 148, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 148, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 148, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 148, 74);  
box-shadow:4px 4px 4px 4px rgb(118, 148,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5258, 0.3495, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 148, 74) }
```

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

```
.background{ background-color: rgb(118,  
148, 74) }
```

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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