

Converting Colors

$Y_{xy}(25.2622, 0.3221, 0.4479)$

Have a look what the booklet for
Yxy(25.2622, 0.3221, 0.4479)
contains.

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Color

Yxy(25.3844, 0.3221, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	679657
RGB	103, 150, 87
RGB Percent	40%, 59%, 34%
CMY	0.5962, 0.4117, 0.6588
CMYK	0.31, 0.00, 0.42, 0.41
HSL	105°, 27%, 46%
HSV	105°, 42%, 59%
XYZ	18.2182, 25.3844, 12.9580
YIQ	128.7650, -7.7890, -29.5570

Conversions

Conversions Part 2

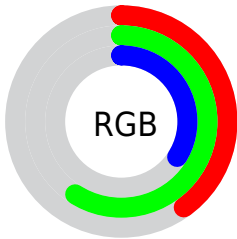
Format	Color
R_{YB}	87, 150, 134
Decimal	6788695
CIE _{Lab}	57.45, -28.30, 28.26
CIE _{LCh}	57, 39.992, 135.041
Yxy	25.3844, 0.3221, 0.4488
Android (android.graphics.Color)	4284978775 (0xFF679657)
YUV	128.7650, -20.5901, -22.5959
Hunter-Lab	50.3829, -23.6256, 20.0192

Details

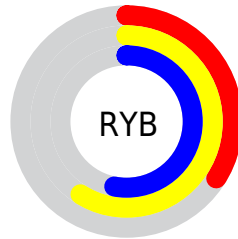
The Yxy color $25.3844, 0.3221, 0.4488$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.0922, 0.2956, 0.2222$, and the grayscale version is $21.9408, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.0886, 0.3218, 0.4202$, and $9.8338, 0.3201, 0.4987$ is the 20% darker color. If you saturate the color by 10%, you get $24.5469, 0.3228, 0.4811$, and if you desaturate by 10%, it is $26.3638, 0.3206, 0.4170$.

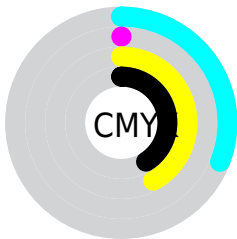
Distribution



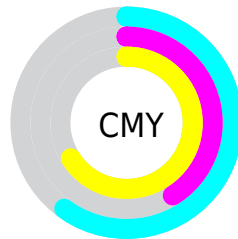
- Red (40%)
- Green (59%)
- Blue (34%)



- Red (34%)
- Yellow (59%)
- Blue (53%)



- Cyan (31%)
- Magenta (0%)
- Yellow (42%)
- Black (41%)



- Cyan (60%)
- Magenta (41%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3844, 0.3221, 0.4488 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 25.3844, 0.3221, 0.4488 by changing the saturation by 10% instead.

■ 25.3844, 0.3221,
0.4488

■ 25.3844, 0.3221,
0.4488

279.7469, 0.3191,
0.3797

■ 16.3637, 0.3217,
0.4697

■ 52.2801, 0.3217,
0.4212

■ 9.7819, 0.3200,
0.4989

■ 70.9240, 0.3213,
0.4116

■ 5.2546, 0.3152,
0.5422

■ 93.5443, 0.3209,
0.4038

■ 2.3974, 0.3190,
0.6466

■ 120.5255, 0.3205,
0.3973

■ 0.8245, 0.1012,
0.8988

■ 152.2519, 0.3201,
0.3919

■ 0.0000, 0.0000,
0.0000

189.1080, 0.3198,

0.3872

231.4782, 0.3195,
0.3832

■ 25.3844, 0.3221,
0.4488

■ 25.3844, 0.3221,
0.4488

■ 24.5469, 0.3228,
0.4811

■ 26.3638, 0.3206,
0.4170

■ 23.8413, 0.3225,
0.5124

■ 27.4879, 0.3185,
0.3868

■ 23.2614, 0.3209,
0.5407


■ 28.7638, 0.3160,
0.3589


■ 22.7992, 0.3182,
0.5641


■ 30.1968, 0.3133,
0.3337


■ 22.4455, 0.3144,
0.5810


■ 31.7923, 0.3105,
0.3112

 22.2275, 0.3113,
0.5910

 33.5552, 0.3077,
0.2912

 35.4903, 0.3051,
0.2736

 37.6020, 0.3025,
0.2582

 39.8949, 0.3001,
0.2447

Harmonies

Analogous

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



25.3844, 0.3864, 0.4493



25.3844, 0.3221, 0.4488



25.3844, 0.2586, 0.4021

Triad

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



25.3844, 0.3221, 0.4488



25.3844, 0.2010, 0.2336



25.3844, 0.4215, 0.3140

Complementary

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



25.3844, 0.3221, 0.4488



14.0922, 0.2956, 0.2222

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.



25.3844, 0.3609, 0.2688



25.3844, 0.3221, 0.4488



25.3844, 0.2344, 0.2239

Square

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



25.3844, 0.3221, 0.4488



25.3844, 0.1934, 0.2694



25.3844, 0.2911, 0.2369



25.3844, 0.4486, 0.3652

Rectangle

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



25.3844, 0.3221, 0.4488



25.3844, 0.2254, 0.3550



25.3844, 0.2911, 0.2369



25.3844, 0.4040, 0.2979

Sweetspot

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



25.3855, 0.3221, 0.4488



50.4572, 0.3163, 0.3623



24.0052, 0.3839, 0.4057



11.0775, 0.3168, 0.3678



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.



25.3855, 0.3221, 0.4488



43.4537, 0.3228, 0.4779



24.7955, 0.2950, 0.4246



6.5352, 0.3152, 0.3516



18.4465, 0.3117, 0.5907



0.2381, 0.3410, 0.5675

Inverse Universe

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



14.0922, 0.2956, 0.2222



20.8791, 0.2905, 0.1996



15.0607, 0.3380, 0.2497



5.8360, 0.3099, 0.3069



4.6984, 0.2590, 0.1200



0.0715, 0.2900, 0.1371

Previews

White Background



This preview shows how the Yxy color 25.3844, 0.3221, 0.4488 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 25.3844, 0.3221, 0.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

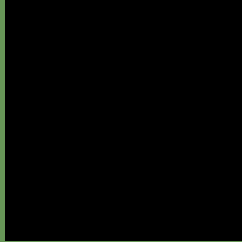
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3844, 0.3221, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 25.3844, 0.3221, 0.4488.



This preview shows how white text looks on a background with the Yxy color 25.3844, 0.3221, 0.4488.

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

25.3844, 0.3221, 0.4488

Protanopia

24.9845, 0.3865, 0.4191

Deuteranopia

24.9873, 0.3995, 0.3911



Tritanopia

25.2565, 0.2738, 0.3081

Trichromacy



Original Color

25.3844, 0.3221, 0.4488

Protanomaly

24.9726, 0.3610, 0.4304

Deuteranomaly

24.6659, 0.3680, 0.4109

Tritanomaly

25.1775, 0.2913, 0.3563

Monochromacy



Original Color

25.3844, 0.3221, 0.4488

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.0993, 0.3174, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3844, 0.3221, 0.4488 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(103, 150, 87)` looks like.

```
.text, #text, p{  
    color:rgb(103, 150, 87)  
}
```

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(103, 150, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 150, 87) }
```

Border

The CSS property to change the border of an element to Yxy 25.3844, 0.3221, 0.4488 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(103, 150, 87) }
```

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

```
.border{ border-color:rgb(103, 150, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 150, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 150, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 150, 87);  
box-shadow:4px 4px 4px 4px rgb(103, 150,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3844, 0.3221, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 150, 87) }
```

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

```
.background{ background-color: rgb(103,  
150, 87) }
```

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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