

Converting Colors

$Y_{xy}(24.5220, 0.3164, 0.3834)$

Have a look what the booklet for
Yxy(24.5220, 0.3164, 0.3834)
contains.

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Color

Yxy(24.4602, 0.3166, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	778E71
RGB	119, 142, 113
RGB Percent	47%, 56%, 44%
CMY	0.5333, 0.4431, 0.5569
CMYK	0.16, 0.00, 0.20, 0.44
HSL	108°, 11%, 50%
HSV	108°, 20%, 56%
XYZ	20.2619, 24.4602, 19.2763
YIQ	131.8170, -4.3990, -13.8950

Conversions

Conversions Part 2

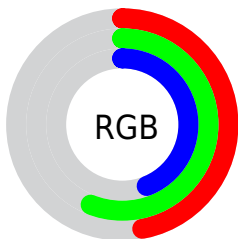
Format	Color
R_{YB}	113, 142, 136
Decimal	7835249
CIE _{Lab}	56.55, -14.01, 12.78
CIE _{LCh}	57, 18.961, 137.633
Yxy	24.4602, 0.3166, 0.3822
Android (android.graphics.Color)	4286025329 (0xFF778E71)
YUV	131.8170, -9.2768, -11.2405
Hunter-Lab	49.4573, -13.4214, 11.5114

Details

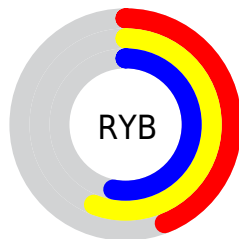
The Yxy color $24.4602, 0.3166, 0.3822$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.9978, 0.3075, 0.2790$, and the grayscale version is $23.0411, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.8544, 0.3155, 0.3704$, and $9.3380, 0.3168, 0.4049$ is the 20% darker color. If you saturate the color by 10%, you get $23.4159, 0.3181, 0.4122$, and if you desaturate by 10%, it is $25.6511, 0.3148, 0.3547$.

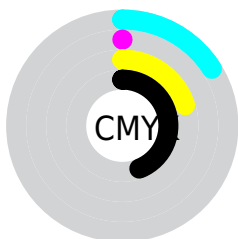
Distribution



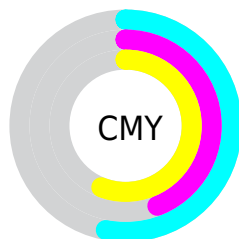
- Red (47%)
- Green (56%)
- Blue (44%)



- Red (44%)
- Yellow (56%)
- Blue (53%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (44%)





- Cyan (53%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4602, 0.3166, 0.3822 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 24.4602, 0.3166, 0.3822 by changing the saturation by 10% instead.


 24.4602, 0.3166,
0.3822


 24.4602, 0.3166,
0.3822


275.1389, 0.3149,
0.3520


 15.6753, 0.3169,
0.3913


 50.7801, 0.3161,
0.3702


 9.2947, 0.3171,
0.4041


 69.0840, 0.3158,
0.3660

 4.9339, 0.3170,
0.4234

 91.3297, 0.3156,
0.3626

 2.2085, 0.3158,
0.4556

 117.9016, 0.3154,
0.3597

 0.7246, 0.3237,
0.6763

149.1840, 0.3153,
0.3573

 0.0000, 0.0000,
0.0000

185.5615, 0.3151,

0.3553

227.4183, 0.3150,
0.3535

■ 24.4602, 0.3166,
0.3822

■ 24.4602, 0.3166,
0.3822

■ 23.4159, 0.3181,
0.4122

■ 25.6511, 0.3148,
0.3547

■ 22.5093, 0.3191,
0.4441

■ 26.9907, 0.3128,
0.3300

■ 21.7357, 0.3194,
0.4768

■ 28.4851, 0.3107,
0.3080

■ 21.0885, 0.3188,
0.5089


■ 30.1390, 0.3087,
0.2886


■ 20.5608, 0.3173,
0.5382


■ 31.9571, 0.3066,
0.2716

 20.1449, 0.3148,
0.5628


 33.9436, 0.3047,
0.2568

 19.8320, 0.3115,
0.5810

 36.1030, 0.3028,
0.2438

 19.6137, 0.3083,
0.5934

 38.4391, 0.3011,
0.2324

 40.9560, 0.2994,
0.2224

Harmonies

Analogous

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



24.4602, 0.3484, 0.3875



24.4602, 0.3166, 0.3822



24.4602, 0.2849, 0.3600

Triad

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



24.4602, 0.3166, 0.3822



24.4602, 0.2566, 0.2808



24.4602, 0.3664, 0.3257

Complementary

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



24.4602, 0.3166, 0.3822



18.9978, 0.3075, 0.2790

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.



24.4602, 0.3394, 0.3005



24.4602, 0.3166, 0.3822



24.4602, 0.2761, 0.2750

Square

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



24.4602, 0.3166, 0.3822



24.4602, 0.2514, 0.2998



24.4602, 0.3061, 0.2823



24.4602, 0.3782, 0.3528

Rectangle

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



24.4602, 0.3166, 0.3822



24.4602, 0.2680, 0.3395



24.4602, 0.3061, 0.2823



24.4602, 0.3587, 0.3168

Sweetspot

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



24.4612, 0.3166, 0.3822



46.2144, 0.3140, 0.3437



24.4724, 0.3443, 0.3679



10.2936, 0.3141, 0.3451



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.



24.4612, 0.3166, 0.3822



42.1631, 0.3174, 0.3972



24.2433, 0.3023, 0.3674



6.0798, 0.3146, 0.3515



17.6164, 0.3086, 0.5932



0.1763, 0.3342, 0.5728

Inverse Universe

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



18.9978, 0.3075, 0.2790



30.5448, 0.3059, 0.2660



19.2769, 0.3250, 0.2934



5.4555, 0.3106, 0.3071



4.8899, 0.2703, 0.1263



0.0559, 0.2961, 0.1405

Previews

White Background



This preview shows how the Yxy color 24.4602, 0.3166, 0.3822 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 24.4602, 0.3166, 0.3822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

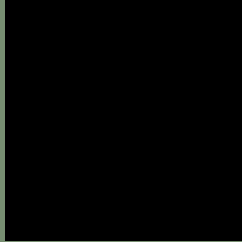
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4602, 0.3166, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 24.4602, 0.3166, 0.3822.



This preview shows how white text looks on a background with the Yxy color 24.4602, 0.3166, 0.3822.

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

24.4602, 0.3166, 0.3822

Protanopia

24.2934, 0.3490, 0.3718

Deuteranopia

24.1716, 0.3598, 0.3536



Tritanopia

24.3894, 0.2892, 0.3100

Trichromacy



Original Color

24.4602, 0.3166, 0.3822

Protanomaly

24.3930, 0.3364, 0.3765

Deuteranomaly

24.0159, 0.3437, 0.3634

Tritanomaly

24.4255, 0.2996, 0.3360

Monochromacy



Original Color

24.4602, 0.3166, 0.3822

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.6010, 0.3140, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4602, 0.3166, 0.3822 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(119, 142, 113)` looks like.

```
.text, #text, p{  
    color:rgb(119, 142, 113)  
}
```

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(119, 142, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 142, 113) }
```

Border

The CSS property to change the border of an element to Yxy 24.4602, 0.3166, 0.3822 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(119, 142, 113) }
```

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

```
.border{ border-color:rgb(119, 142, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 142, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 142, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 142, 113);  
box-shadow:4px 4px 4px 4px rgb(119, 142,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4602, 0.3166, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 142, 113) }
```

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

```
.background{ background-color: rgb(119,  
142, 113) }
```

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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