

Converting Colors

$Y_{xy}(24.4535, 0.3016, 0.3624)$

Have a look what the booklet for
Yxy(24.4535, 0.3016, 0.3624)
contains.

Yxy(24.4461, 0.3018, 0.3619)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.4461, 0.3018, 0.3619)$

Conversions

Conversions Part 1

Format	Color
Hex	738E7C
RGB	115, 142, 124
RGB Percent	45%, 56%, 49%
CMY	0.5488, 0.4432, 0.5137
CMYK	0.19, 0.00, 0.13, 0.44
HSL	140°, 11%, 50%
HSV	140°, 19%, 56%
XYZ	20.3864, 24.4461, 22.7168
YIQ	131.8750, -10.3140, -11.3220

Conversions

Conversions Part 2

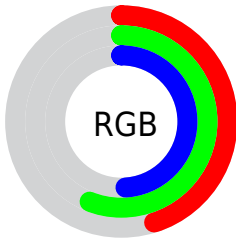
Format	Color
RYB	115, 135, 142
Decimal	7573116
CIELab	56.53, -13.34, 6.43
CIELCh	57, 14.809, 154.248
Yxy	24.4461, 0.3018, 0.3619
Android (android.graphics.Color)	4285763196 (0xFF738E7C)
YUV	131.8750, -3.8824, -14.7994
Hunter-Lab	49.4430, -12.9259, 7.3690

Details

The Yxy color $24.4461, 0.3018, 0.3619$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $19.7163, 0.3256, 0.2982$, and the grayscale version is $23.0477, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.8697, 0.3037, 0.3543$, and $9.3205, 0.2969, 0.3768$ is the 20% darker color. If you saturate the color by 10%, you get $23.3287, 0.2963, 0.3821$, and if you desaturate by 10%, it is $25.7369, 0.3075, 0.3437$.

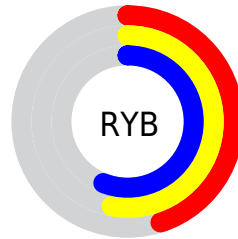
Distribution



Red (45%)

Green (56%)

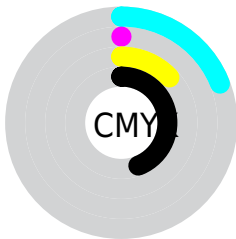
Blue (49%)



Red (45%)

Yellow (53%)

Blue (56%)

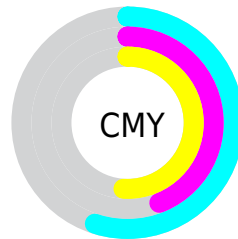


Cyan (19%)

Magenta (0%)

Yellow (13%)

Black (44%)



Cyan (55%)


Magenta (44%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4461, 0.3018, 0.3619 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 24.4461, 0.3018, 0.3619 by changing the saturation by 10% instead.


 24.4461, 0.3018,
0.3619


 24.4461, 0.3018,
0.3619


275.0681, 0.3080,
0.3433


 15.6649, 0.2999,
0.3674

 50.7572, 0.3043,
0.3545


 9.2873, 0.2973,
0.3752


 69.0559, 0.3051,
0.3520

 4.9291, 0.2932,
0.3869

 91.2958, 0.3058,
0.3499

 2.2057, 0.2863,
0.4066

 117.8613, 0.3064,
0.3481

 0.7231, 0.2543,
0.5084

149.1370, 0.3069,
0.3466

 0.0000, 0.0000,
0.0000

185.5070, 0.3073,

0.3454

227.3560, 0.3077,
0.3443

■ 24.4461, 0.3018,
0.3619

■ 24.4461, 0.3018,
0.3619

■ 23.3287, 0.2963,
0.3821

■ 25.7369, 0.3075,
0.3437

■ 22.3742, 0.2913,
0.4042

■ 27.2050, 0.3133,
0.3274

■ 21.5756, 0.2870,
0.4280

■ 28.8579, 0.3190,
0.3131

■ 20.9244, 0.2838,
0.4527


■ 30.7019, 0.3246,
0.3005

■ 20.4109, 0.2819,
0.4779

■ 32.7429, 0.3299,
0.2894


 20.0246, 0.2815,
0.5024

 34.9866, 0.3349,
0.2798


 19.7531, 0.2828,
0.5253

 37.4384, 0.3397,
0.2714

 19.5682, 0.2853,
0.5458

 40.1035, 0.3442,
0.2640

 19.5508, 0.2855,
0.5477

 42.9870, 0.3484,
0.2576

Harmonies

Analogous

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



24.4461, 0.3276, 0.3737



24.4461, 0.3018, 0.3619



24.4461, 0.2796, 0.3402

Triad

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



24.4461, 0.3018, 0.3619



24.4461, 0.2758, 0.2872



24.4461, 0.3613, 0.3388

Complementary

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



24.4461, 0.3018, 0.3619



19.7163, 0.3256, 0.2982

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.



24.4461, 0.3463, 0.3173



24.4461, 0.3018, 0.3619



24.4461, 0.2965, 0.2882

Square

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



24.4461, 0.3018, 0.3619



24.4461, 0.2651, 0.2968



24.4461, 0.3223, 0.2991



24.4461, 0.3626, 0.3589

Rectangle

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



24.4461, 0.3018, 0.3619



24.4461, 0.2696, 0.3238



24.4461, 0.3223, 0.2991



24.4461, 0.3577, 0.3315

Sweetspot

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



24.4471, 0.3018, 0.3619



46.0964, 0.3092, 0.3388



25.6064, 0.3306, 0.3760



10.2651, 0.3089, 0.3398



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.



24.4471, 0.3018, 0.3619



42.1912, 0.2993, 0.3708



24.7992, 0.2897, 0.3378



6.0571, 0.3074, 0.3440



17.5591, 0.2853, 0.5469



0.1716, 0.2623, 0.4642

Inverse Universe

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



19.7163, 0.3256, 0.2982



32.1859, 0.3293, 0.2906



19.3779, 0.3420, 0.3204



5.4809, 0.3184, 0.3144



5.9045, 0.4239, 0.2109



0.0606, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 24.4461, 0.3018, 0.3619 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 24.4461, 0.3018, 0.3619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

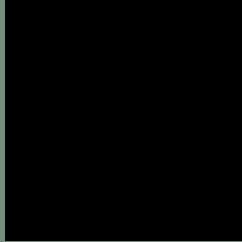
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

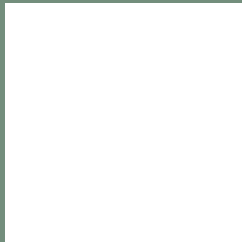
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4461, 0.3018, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 24.4461, 0.3018, 0.3619.



This preview shows how white text looks on a background with the Yxy color 24.4461, 0.3018, 0.3619.

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

24.4461, 0.3018, 0.3619

Protanopia

24.3467, 0.3356, 0.3547

Deuteranopia

24.4144, 0.3430, 0.3373



Tritanopia

24.3400, 0.2833, 0.3098

Trichromacy



Original Color

24.4461, 0.3018, 0.3619

Protanomaly

24.4630, 0.3235, 0.3589

Deuteranomaly

24.2976, 0.3279, 0.3462

Tritanomaly

24.2102, 0.2897, 0.3272

Monochromacy



Original Color

24.4461, 0.3018, 0.3619

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.6289, 0.3088, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4461, 0.3018, 0.3619 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(115, 142, 124)` looks like.

```
.text, #text, p{  
    color:rgb(115, 142, 124)  
}
```

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(115, 142, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 142, 124) }
```

Border

The CSS property to change the border of an element to Yxy 24.4461, 0.3018, 0.3619 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(115, 142, 124) }
```

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

```
.border{ border-color:rgb(115, 142, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 142, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 142, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 142, 124);  
box-shadow:4px 4px 4px 4px rgb(115, 142,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4461, 0.3018, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 142, 124) }
```

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

```
.background{ background-color: rgb(115,  
142, 124) }
```

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