

Converting Colors

$Y_{xy}(23.2131, 0.3201, 0.4109)$

Have a look what the booklet for
Yxy(23.2131, 0.3201, 0.4109)
contains.

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Color

Yxy(23.1828, 0.3204, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	6D8D62
RGB	109, 141, 98
RGB Percent	43%, 55%, 38%
CMY	0.5725, 0.4471, 0.6157
CMYK	0.23, 0.00, 0.31, 0.45
HSL	105°, 18%, 47%
HSV	105°, 31%, 55%
XYZ	18.0373, 23.1828, 15.0761
YIQ	126.5300, -5.2690, -20.1570

Conversions

Conversions Part 2

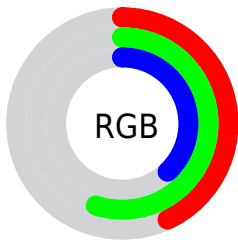
Format	Color
R_{YB}	98, 141, 130
Decimal	7179618
CIE _{Lab}	55.26, -19.83, 19.39
CIE _{LCh}	55, 27.734, 135.630
Yxy	23.1828, 0.3204, 0.4118
Android (android.graphics.Color)	4285369698 (0xFF6D8D62)
YUV	126.5300, -14.0653, -15.3738
Hunter-Lab	48.1485, -17.3905, 15.1392

Details

The Yxy color **23.1828, 0.3204, 0.4118** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3997, 0.3013, 0.2525**, and the grayscale version is **21.1057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7772, 0.3192, 0.3928**, and **8.6818, 0.3203, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **22.3146, 0.3221, 0.4432**, and if you desaturate by 10%, it is **24.1792, 0.3182, 0.3821**.

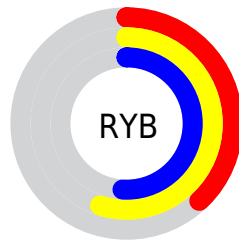
Distribution



Red (43%)

Green (55%)

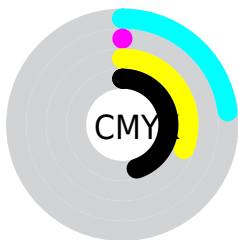
Blue (38%)



Red (38%)

Yellow (55%)

Blue (51%)

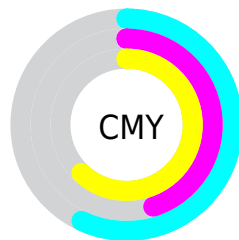


Cyan (23%)

Magenta (0%)

Yellow (31%)

Black (45%)



Cyan (57%)


Magenta (45%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1828, 0.3204, 0.4118 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 23.1828, 0.3204, 0.4118 by changing the saturation by 10% instead.


 23.1828, 0.3204,
0.4118


 23.1828, 0.3204,
0.4118


268.6625, 0.3171,
0.3639


 14.7285, 0.3208,
0.4265


 48.6933, 0.3195,
0.3925


 8.6291, 0.3208,
0.4475

 66.5184, 0.3190,
0.3859

 4.5001, 0.3197,
0.4794

 88.2358, 0.3186,
0.3805

 1.9570, 0.3210,
0.5445

 114.2300, 0.3183,
0.3760

 0.5823, 0.1066,
0.8934

144.8854, 0.3179,
0.3723

 0.0000, 0.0000,
0.0000

180.5863, 0.3176,

0.3691

221.7172, 0.3174,
0.3663

■ 23.1828, 0.3204,
0.4118

■ 23.1828, 0.3204,
0.4118

■ 22.3146, 0.3221,
0.4432

■ 24.1792, 0.3182,
0.3821

■ 21.5665, 0.3230,
0.4754

■ 25.3058, 0.3156,
0.3549

■ 20.9337, 0.3229,
0.5067


■ 26.5682, 0.3129,
0.3302


■ 20.4102, 0.3216,
0.5355

■ 27.9709, 0.3101,
0.3081


■ 19.9893, 0.3191,
0.5598

■ 29.5180, 0.3073,
0.2886

 19.6633, 0.3155,
0.5780

 31.2135, 0.3046,
0.2714

 19.4277, 0.3118,
0.5906

 33.0615, 0.3020,
0.2563

 35.0655, 0.2996,
0.2431

 37.2293, 0.2973,
0.2314

Harmonies

Analogous

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



23.1828, 0.3671, 0.4159



23.1828, 0.3204, 0.4118



23.1828, 0.2738, 0.3791

Triad

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



23.1828, 0.3204, 0.4118



23.1828, 0.2301, 0.2592



23.1828, 0.3909, 0.3202

Complementary

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



23.1828, 0.3204, 0.4118



15.3997, 0.3013, 0.2525

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.



23.1828, 0.3488, 0.2853



23.1828, 0.3204, 0.4118



23.1828, 0.2563, 0.2509

Square

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



23.1828, 0.3204, 0.4118



23.1828, 0.2241, 0.2868



23.1828, 0.2989, 0.2606



23.1828, 0.4102, 0.3592

Rectangle

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



23.1828, 0.3204, 0.4118



23.1828, 0.2489, 0.3473



23.1828, 0.2989, 0.2606



23.1828, 0.3788, 0.3078

Sweetspot

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



23.1838, 0.3204, 0.4118



45.6010, 0.3153, 0.3515



22.3849, 0.3624, 0.3843



10.1227, 0.3156, 0.3548



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.



23.1838, 0.3204, 0.4118



40.3621, 0.3217, 0.4346



22.7290, 0.2994, 0.3941



6.0921, 0.3153, 0.3515



17.7212, 0.3121, 0.5904



0.1787, 0.3414, 0.5671

Inverse Universe

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



15.3997, 0.3013, 0.2525



23.9847, 0.2977, 0.2335



16.0337, 0.3295, 0.2717



5.4424, 0.3099, 0.3070



4.4909, 0.2584, 0.1197



0.0535, 0.2896, 0.1369

Previews

White Background



This preview shows how the Yxy color 23.1828, 0.3204, 0.4118 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 23.1828, 0.3204, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

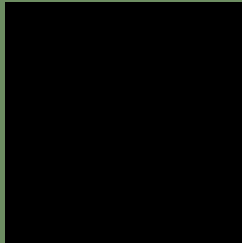
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1828, 0.3204, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 23.1828, 0.3204, 0.4118.



This preview shows how white text looks on a background with the Yxy color 23.1828, 0.3204, 0.4118.

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

23.1828, 0.3204, 0.4118

Protanopia

23.0615, 0.3669, 0.3949

Deuteranopia

23.0869, 0.3779, 0.3719



Tritanopia

23.1852, 0.2828, 0.3094

Trichromacy



Original Color

23.1828, 0.3204, 0.4118

Protanomaly

22.9000, 0.3496, 0.4015

Deuteranomaly

22.8259, 0.3552, 0.3855

Tritanomaly

23.0537, 0.2959, 0.3437

Monochromacy



Original Color

23.1828, 0.3204, 0.4118

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.7566, 0.3159, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1828, 0.3204, 0.4118 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(109, 141, 98)` looks like.

```
.text, #text, p{  
    color:rgb(109, 141, 98)  
}
```

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(109, 141, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 141, 98) }
```

Border

The CSS property to change the border of an element to Yxy 23.1828, 0.3204, 0.4118 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(109, 141, 98) }
```

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

```
.border{ border-color:rgb(109, 141, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 141, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 141, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 141, 98);  
box-shadow:4px 4px 4px 4px rgb(109, 141,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1828, 0.3204, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 141, 98) }
```

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

```
.background{ background-color: rgb(109,  
141, 98) }
```

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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