

Converting Colors

$Y_{xy}(23.1321, 0.3172, 0.3847)$

Have a look what the booklet for
Yxy(23.1321, 0.3172, 0.3847)
contains.

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Color

Yxy(23.2824, 0.3177, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	748B6D
RGB	116, 139, 109
RGB Percent	45%, 55%, 43%
CMY	0.5450, 0.4549, 0.5726
CMYK	0.17, 0.00, 0.22, 0.45
HSL	106°, 12%, 49%
HSV	106°, 22%, 55%
XYZ	19.1976, 23.2824, 17.9467
YIQ	128.7030, -4.0780, -14.2060

Conversions

Conversions Part 2

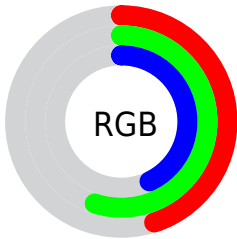
Format	Color
R_{YB}	109, 139, 132
Decimal	7637869
CIE _{Lab}	55.36, -14.23, 13.38
CIE _{LCh}	55, 19.534, 136.766
Yxy	23.2824, 0.3177, 0.3853
Android (android.graphics.Color)	4285827949 (0xFF748B6D)
YUV	128.7030, -9.7136, -11.1405
Hunter-Lab	48.2518, -13.4224, 11.7240

Details

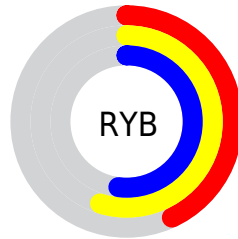
The Yxy color $23.2824, 0.3177, 0.3853$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.7012, 0.3061, 0.2760$, and the grayscale version is $21.8812, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.0380, 0.3163, 0.3724$, and $8.6750, 0.3183, 0.4104$ is the 20% darker color. If you saturate the color by 10%, you get $22.3193, 0.3195, 0.4153$, and if you desaturate by 10%, it is $24.3784, 0.3155, 0.3577$.

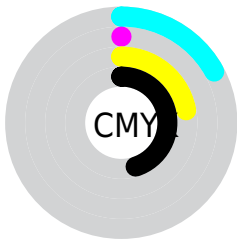
Distribution



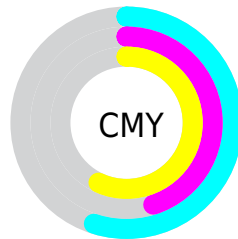
- Red (45%)
- Green (55%)
- Blue (43%)



- Red (43%)
- Yellow (55%)
- Blue (52%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (45%)





- Cyan (55%)
- Magenta (45%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2824, 0.3177, 0.3853 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 23.2824, 0.3177, 0.3853 by changing the saturation by 10% instead.


 23.2824, 0.3177,
0.3853


 23.2824, 0.3177,
0.3853


269.1722, 0.3154,
0.3530


 14.8022, 0.3181,
0.3951


 48.8566, 0.3169,
0.3724


 8.6807, 0.3185,
0.4090

 66.7194, 0.3166,
0.3679

 4.5335, 0.3186,
0.4302

 88.4785, 0.3163,
0.3643

 1.9762, 0.3175,
0.4663

 114.5182, 0.3161,
0.3613

 0.5936, 0.2675,
0.7325

145.2231, 0.3159,
0.3587

 0.0000, 0.0000,
0.0000

180.9774, 0.3157,

0.3566

222.1657, 0.3155,
0.3547

■ 23.2824, 0.3177,
0.3853

■ 23.2824, 0.3177,
0.3853

■ 22.3193, 0.3195,
0.4153

■ 24.3784, 0.3155,
0.3577

■ 21.4810, 0.3208,
0.4470

■ 25.6090, 0.3131,
0.3327

■ 20.7632, 0.3214,
0.4794


■ 26.9798, 0.3106,
0.3104

■ 20.1601, 0.3210,
0.5108


■ 28.4949, 0.3082,
0.2907

■ 19.6655, 0.3194,
0.5394


■ 30.1586, 0.3058,
0.2734

 19.2725, 0.3168,
0.5633


 31.9747, 0.3035,
0.2582

 18.9732, 0.3133,
0.5808

 33.9471, 0.3013,
0.2449

 18.7814, 0.3103,
0.5918

 36.0794, 0.2992,
0.2332

 38.3751, 0.2973,
0.2229

Harmonies

Analogous

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



23.2824, 0.3508, 0.3901



23.2824, 0.3177, 0.3853



23.2824, 0.2845, 0.3624

Triad

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



23.2824, 0.3177, 0.3853



23.2824, 0.2537, 0.2789



23.2824, 0.3683, 0.3246

Complementary

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



23.2824, 0.3177, 0.3853



17.7012, 0.3061, 0.2760

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.



23.2824, 0.3397, 0.2985



23.2824, 0.3177, 0.3853



23.2824, 0.2736, 0.2726

Square

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



23.2824, 0.3177, 0.3853



23.2824, 0.2487, 0.2991



23.2824, 0.3047, 0.2799



23.2824, 0.3812, 0.3530

Rectangle

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



23.2824, 0.3177, 0.3853



23.2824, 0.2666, 0.3410



23.2824, 0.3047, 0.2799



23.2824, 0.3601, 0.3154

Sweetspot

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



23.2834, 0.3177, 0.3853



44.8315, 0.3142, 0.3437



22.9587, 0.3465, 0.3685



10.3020, 0.3143, 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.



23.2834, 0.3177, 0.3853



40.8100, 0.3187, 0.4000



22.9875, 0.3027, 0.3718



5.6612, 0.3149, 0.3513



16.9586, 0.3105, 0.5916



0.1184, 0.3383, 0.5696

Inverse Universe

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



17.7012, 0.3061, 0.2760



28.9291, 0.3042, 0.2631



18.0759, 0.3245, 0.2897



5.0709, 0.3102, 0.3072



4.4780, 0.2637, 0.1227



0.0364, 0.2925, 0.1385

Previews

White Background



This preview shows how the Yxy color 23.2824, 0.3177, 0.3853 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 23.2824, 0.3177, 0.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

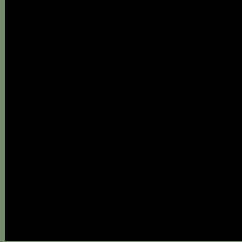
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

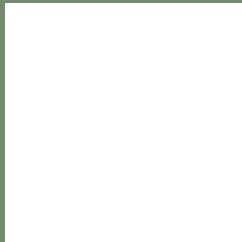
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2824, 0.3177, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 23.2824, 0.3177, 0.3853.



This preview shows how white text looks on a background with the Yxy color 23.2824, 0.3177, 0.3853.

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

23.2824, 0.3177, 0.3853

Protanopia

23.2059, 0.3522, 0.3742

Deuteranopia

23.0018, 0.3620, 0.3558



Tritanopia

23.2321, 0.2887, 0.3097

Trichromacy



Original Color

23.2824, 0.3177, 0.3853

Protanomaly

23.2950, 0.3391, 0.3792

Deuteranomaly

22.8474, 0.3455, 0.3658

Tritanomaly

23.2673, 0.2993, 0.3362

Monochromacy



Original Color

23.2824, 0.3177, 0.3853

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4653, 0.3140, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2824, 0.3177, 0.3853 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(116, 139, 109)` looks like.

```
.text, #text, p{  
    color:rgb(116, 139, 109)  
}
```

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(116, 139, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 139, 109) }
```

Border

The CSS property to change the border of an element to Yxy 23.2824, 0.3177, 0.3853 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(116, 139, 109) }
```

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

```
.border{ border-color:rgb(116, 139, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 139, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 139, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 139, 109);  
box-shadow:4px 4px 4px 4px rgb(116, 139,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2824, 0.3177, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 139, 109) }
```

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

```
.background{ background-color: rgb(116,  
139, 109) }
```

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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