

Converting Colors

$Y_{xy}(23.5348, 0.3147, 0.4169)$

Have a look what the booklet for
Yxy(23.5348, 0.3147, 0.4169)
contains.

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Color

Yxy(23.4698, 0.3147, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	688F62
RGB	104, 143, 98
RGB Percent	41%, 56%, 38%
CMY	0.5922, 0.4392, 0.6157
CMYK	0.27, 0.00, 0.31, 0.44
HSL	112°, 19%, 47%
HSV	112°, 31%, 56%
XYZ	17.7334, 23.4698, 15.1469
YIQ	126.2090, -8.7990, -22.2630

Conversions

Conversions Part 2

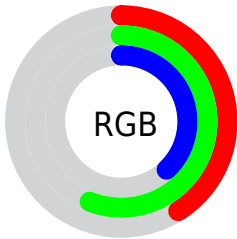
Format	Color
R_{YB}	98, 143, 137
Decimal	6852450
CIE _{Lab}	55.55, -22.71, 19.74
CIE _{LCh}	56, 30.089, 139.007
Yxy	23.4698, 0.3147, 0.4165
Android (android.graphics.Color)	4285042530 (0xFF688F62)
YUV	126.2090, -13.9070, -19.4773
Hunter-Lab	48.4456, -19.4405, 15.3745

Details

The Yxy color $23.4698, 0.3147, 0.4165$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.0360, 0.3082, 0.2516$, and the grayscale version is $20.9879, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.1704, 0.3150, 0.3961$, and $8.7055, 0.3125, 0.4534$ is the 20% darker color. If you saturate the color by 10%, you get $22.5364, 0.3147, 0.4493$, and if you desaturate by 10%, it is $24.5625, 0.3143, 0.3857$.

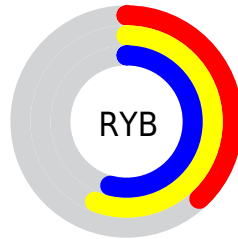
Distribution



Red (41%)

Green (56%)

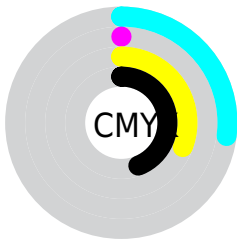
Blue (38%)



Red (38%)

Yellow (56%)

Blue (54%)

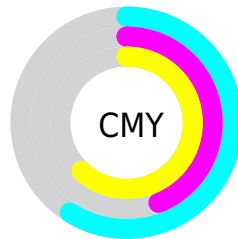


Cyan (27%)

Magenta (0%)

Yellow (31%)

Black (44%)



Cyan (59%)


Magenta (44%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4698, 0.3147, 0.4165 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 23.4698, 0.3147, 0.4165 by changing the saturation by 10% instead.


 23.4698, 0.3147,
0.4165


 23.4698, 0.3147,
0.4165

270.1289, 0.3147,
0.3658

 14.9408, 0.3140,
0.4322


 49.1636, 0.3151,
0.3960


 8.7778, 0.3126,
0.4545

 67.0972, 0.3151,
0.3890

 4.5966, 0.3092,
0.4885

 88.9344, 0.3151,
0.3833

 2.0126, 0.3060,
0.5570

 115.0596, 0.3150,
0.3786

 0.6148, 0.0464,
0.9536

145.8573, 0.3150,
0.3746

 0.0000, 0.0000,
0.0000

181.7118, 0.3149,

0.3712

223.0075, 0.3148,
0.3683

■ 23.4698, 0.3147,
0.4165

■ 23.4698, 0.3147,
0.4165

■ 22.5364, 0.3147,
0.4493

■ 24.5625, 0.3143,
0.3857

■ 21.7521, 0.3141,
0.4829

■ 25.8185, 0.3137,
0.3576

■ 21.1098, 0.3130,
0.5155


■ 27.2450, 0.3129,
0.3325

■ 20.6011, 0.3112,
0.5450

■ 28.8482, 0.3119,
0.3103

■ 20.2163, 0.3089,
0.5692

■ 30.6339, 0.3109,
0.2908

 19.9444, 0.3062,
0.5864

 32.6076, 0.3098,
0.2738

 19.7863, 0.3043,
0.5966

 34.7745, 0.3088,
0.2591

 37.1398, 0.3078,
0.2462

 39.7083, 0.3068,
0.2351

Harmonies

Analogous

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



23.4698, 0.3658, 0.4240



23.4698, 0.3147, 0.4165



23.4698, 0.2655, 0.3778

Triad

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



23.4698, 0.3147, 0.4165



23.4698, 0.2262, 0.2518



23.4698, 0.4011, 0.3238

Complementary

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



23.4698, 0.3147, 0.4165



16.0360, 0.3082, 0.2516

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.



23.4698, 0.3575, 0.2858



23.4698, 0.3147, 0.4165



23.4698, 0.2563, 0.2455

Square

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



23.4698, 0.3147, 0.4165



23.4698, 0.2173, 0.2788



23.4698, 0.3035, 0.2580



23.4698, 0.4184, 0.3655

Rectangle

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



23.4698, 0.3147, 0.4165



23.4698, 0.2402, 0.3425



23.4698, 0.3035, 0.2580



23.4698, 0.3888, 0.3104

Sweetspot

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



23.4708, 0.3147, 0.4165



46.7889, 0.3135, 0.3516



24.6149, 0.3613, 0.3957



10.6553, 0.3136, 0.3551



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.4708, 0.3147, 0.4165



40.7753, 0.3147, 0.4404



23.4696, 0.2936, 0.3845



6.0617, 0.3135, 0.3516



17.4983, 0.3045, 0.5964



0.1726, 0.3228, 0.5819

Inverse Universe

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



16.0360, 0.3082, 0.2516



25.2237, 0.3067, 0.2335



16.0924, 0.3386, 0.2795



5.4752, 0.3117, 0.3072



5.5469, 0.2884, 0.1362



0.0596, 0.3054, 0.1456

Previews

White Background



This preview shows how the Yxy color 23.4698, 0.3147, 0.4165 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 23.4698, 0.3147, 0.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

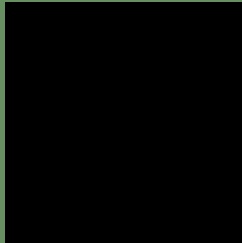
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4698, 0.3147, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 23.4698, 0.3147, 0.4165.



This preview shows how white text looks on a background with the Yxy color 23.4698, 0.3147, 0.4165.

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

23.4698, 0.3147, 0.4165

Protanopia

23.4050, 0.3687, 0.3979

Deuteranopia

23.1862, 0.3791, 0.3717



Tritanopia

23.5401, 0.2773, 0.3094

Trichromacy



Original Color

23.4698, 0.3147, 0.4165

Protanomaly

23.3847, 0.3475, 0.4051

Deuteranomaly

23.0135, 0.3536, 0.3874

Tritanomaly

23.3919, 0.2910, 0.3456

Monochromacy



Original Color

23.4698, 0.3147, 0.4165

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.6150, 0.3136, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4698, 0.3147, 0.4165 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(104, 143, 98)` looks like.

```
.text, #text, p{  
    color:rgb(104, 143, 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(104, 143, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 143, 98) }
```

Border

The CSS property to change the border of an element to Yxy 23.4698, 0.3147, 0.4165 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(104, 143, 98) }
```

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

```
.border{ border-color:rgb(104, 143, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 143, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 143, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 143, 98);  
box-shadow:4px 4px 4px 4px rgb(104, 143,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4698, 0.3147, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 143, 98) }
```

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

```
.background{ background-color: rgb(104,  
143, 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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