

Converting Colors

$Y_{xy}(22.9859, 0.3338, 0.4109)$

Have a look what the booklet for
Yxy(22.9859, 0.3338, 0.4109)
contains.

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Color

Yxy(23.1430, 0.3339, 0.4117)

Conversions

Conversions Part 1

Format	Color
Hex	768B5F
RGB	118, 139, 95
RGB Percent	46%, 55%, 37%
CMY	0.5372, 0.4549, 0.6275
CMYK	0.15, 0.00, 0.32, 0.45
HSL	89°, 19%, 46%
HSV	89°, 32%, 55%
XYZ	18.7696, 23.1430, 14.3007
YIQ	127.7050, 1.6080, -18.1360

Conversions

Conversions Part 2

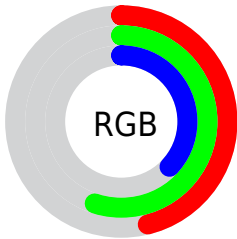
Format	Color
R_{YB}	95, 139, 116
Decimal	7768927
CIE _{Lab}	55.22, -15.81, 21.13
CIE _{LCh}	55, 26.391, 126.811
Yxy	23.1430, 0.3339, 0.4117
Android (android.graphics.Color)	4285959007 (0xFF768B5F)
YUV	127.7050, -16.1236, -8.5113
Hunter-Lab	48.1072, -14.5436, 16.0501

Details

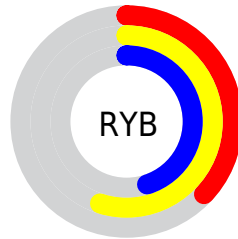
The Yxy color $23.1430, 0.3339, 0.4117$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.7578, 0.2851, 0.2459$, and the grayscale version is $21.5359, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.8732, 0.3300, 0.3929$, and $8.6234, 0.3399, 0.4468$ is the 20% darker color. If you saturate the color by 10%, you get $22.4654, 0.3396, 0.4404$, and if you desaturate by 10%, it is $23.9004, 0.3275, 0.3838$.

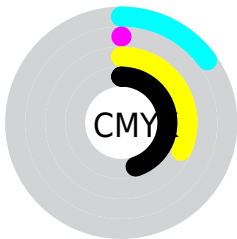
Distribution



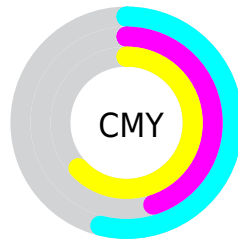
- Red (46%)
- Green (55%)
- Blue (37%)



- Red (37%)
- Yellow (55%)
- Blue (45%)



- Cyan (15%)
- Magenta (0%)
- Yellow (32%)
- Black (45%)





- Cyan (54%)
- Magenta (45%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1430, 0.3339, 0.4117 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 23.1430, 0.3339, 0.4117 by changing the saturation by 10% instead.


 23.1430, 0.3339,
0.4117


 23.1430, 0.3339,
0.4117


268.4586, 0.3230,
0.3642


 14.6991, 0.3365,
0.4261


 48.6280, 0.3300,
0.3927


 8.6085, 0.3395,
0.4465


 66.4380, 0.3285,
0.3861

 4.4867, 0.3428,
0.4770

 88.1387, 0.3272,
0.3807

 1.9494, 0.3557,
0.5445

 114.1147, 0.3261,
0.3763

 0.5778, 0.2202,
0.7798

144.7503, 0.3252,
0.3725

 0.0000, 0.0000,
0.0000

180.4299, 0.3244,

0.3693

221.5379, 0.3237,
0.3666

■ 23.1430, 0.3339,
0.4117

■ 23.1430, 0.3339,
0.4117

■ 22.4654, 0.3396,
0.4404

■ 23.9004, 0.3275,
0.3838

■ 21.8614, 0.3442,
0.4689

■ 24.7374, 0.3207,
0.3574

■ 21.3288, 0.3473,
0.4961


■ 25.6577, 0.3139,
0.3329

■ 20.8640, 0.3485,
0.5206


■ 26.6639, 0.3071,
0.3104


■ 20.4629, 0.3477,
0.5411

■ 27.7583, 0.3006,
0.2900


 20.1208, 0.3447,
0.5567

 28.9435, 0.2943,
0.2716

 19.8708, 0.3413,
0.5672

 30.2215, 0.2885,
0.2551

 31.5946, 0.2830,
0.2404

 33.0648, 0.2779,
0.2272

Harmonies

Analogous

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



23.1430, 0.3760, 0.4079



23.1430, 0.3339, 0.4117



23.1430, 0.2881, 0.3880

Triad

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



23.1430, 0.3339, 0.4117



23.1430, 0.2300, 0.2683



23.1430, 0.3771, 0.3103

Complementary

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



23.1430, 0.3339, 0.4117



13.7578, 0.2851, 0.2459

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.



23.1430, 0.3332, 0.2791



23.1430, 0.3339, 0.4117



23.1430, 0.2496, 0.2548

Square

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



23.1430, 0.3339, 0.4117



23.1430, 0.2302, 0.3000



23.1430, 0.2864, 0.2592



23.1430, 0.4029, 0.3472

Rectangle

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



23.1430, 0.3339, 0.4117



23.1430, 0.2615, 0.3602



23.1430, 0.2864, 0.2592



23.1430, 0.3638, 0.2989

Sweetspot

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



23.1440, 0.3339, 0.4117



44.6918, 0.3190, 0.3512



18.6972, 0.3704, 0.3663



10.2498, 0.3199, 0.3545



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.



23.1440, 0.3339, 0.4117



40.5614, 0.3381, 0.4322



21.8034, 0.3100, 0.4181



5.7285, 0.3190, 0.3511



17.9439, 0.3416, 0.5670



0.1279, 0.3750, 0.5405

Inverse Universe

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



13.7578, 0.2851, 0.2459



21.0078, 0.2771, 0.2252



15.4098, 0.3142, 0.2528



5.0016, 0.3060, 0.3069



2.7473, 0.2006, 0.0879



0.0269, 0.2497, 0.1149

Previews

White Background



This preview shows how the Yxy color 23.1430, 0.3339, 0.4117 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 23.1430, 0.3339, 0.4117 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 23.1430, 0.3339, 0.4117

Background



This preview shows how black text looks on a background with the Yxy color 23.1430, 0.3339, 0.4117.



This preview shows how white text looks on a background with the Yxy color 23.1430, 0.3339, 0.4117.

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

23.1430, 0.3339, 0.4117

Protanopia

23.0260, 0.3691, 0.3983

Deuteranopia

22.8715, 0.3833, 0.3750



Tritanopia

23.1182, 0.2938, 0.3115

Trichromacy



Original Color

23.1430, 0.3339, 0.4117

Protanomaly

23.1048, 0.3553, 0.4042

Deuteranomaly

22.8464, 0.3640, 0.3881

Tritanomaly

22.9719, 0.3075, 0.3453

Monochromacy



Original Color

23.1430, 0.3339, 0.4117

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0486, 0.3206, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1430, 0.3339, 0.4117 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(118, 139, 95)` looks like.

```
.text, #text, p{  
    color:rgb(118, 139, 95)  
}
```

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(118, 139, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 139, 95) }
```

Border

The CSS property to change the border of an element to Yxy 23.1430, 0.3339, 0.4117 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(118, 139, 95) }
```

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

```
.border{ border-color:rgb(118, 139, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 139, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 139, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 139, 95);  
box-shadow:4px 4px 4px 4px rgb(118, 139,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1430, 0.3339, 0.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 139, 95) }
```

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

```
.background{ background-color: rgb(118,  
139, 95) }
```

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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