

Converting Colors

$Y_{xy}(23.4979, 0.3107, 0.3722)$

Have a look what the booklet for
 $Y_{xy}(23.4979, 0.3107, 0.3722)$
contains.

$Y_{xy}(23.4392, 0.3107, 0.3718)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.4392, 0.3107, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	748B74
RGB	116, 139, 116
RGB Percent	45%, 55%, 45%
CMY	0.5451, 0.4549, 0.5451
CMYK	0.17, 0.00, 0.17, 0.45
HSL	120°, 9%, 50%
HSV	120°, 17%, 55%
XYZ	19.5873, 23.4392, 20.0160
YIQ	129.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

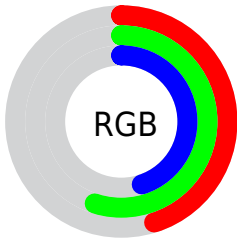
Format	Color
R_{YB}	116, 139, 139
Decimal	7637876
CIE _{Lab}	55.52, -12.95, 9.59
CIE _{LCh}	56, 16.116, 143.465
Yxy	23.4392, 0.3107, 0.3718
Android (android.graphics.Color)	4285827956 (0xFF748B74)
YUV	129.5010, -6.6560, -11.8404
Hunter-Lab	48.4140, -12.5072, 9.3774

Details

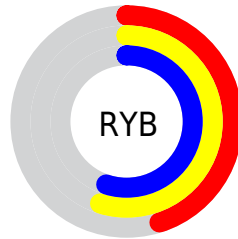
The Yxy color $23.4392, 0.3107, 0.3718$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $19.8434, 0.3146, 0.2896$, and the grayscale version is $22.1639, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.2919, 0.3111, 0.3627$, and $8.7554, 0.3083, 0.3895$ is the 20% darker color. If you saturate the color by 10%, you get $22.2582, 0.3093, 0.4019$, and if you desaturate by 10%, it is $24.8131, 0.3120, 0.3449$.

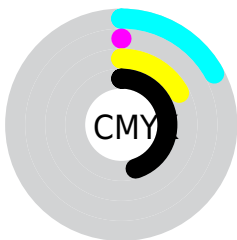
Distribution



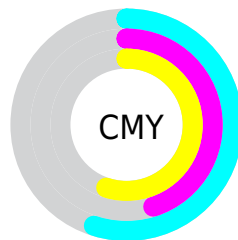
- Red (45%)
- Green (55%)
- Blue (45%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4392, 0.3107, 0.3718 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 23.4392, 0.3107, 0.3718 by changing the saturation by 10% instead.


 23.4392, 0.3107,
0.3718


 23.4392, 0.3107,
0.3718


269.9729, 0.3121,
0.3474


 14.9181, 0.3101,
0.3792


 49.1135, 0.3113,
0.3621


 8.7620, 0.3093,
0.3896


 67.0355, 0.3115,
0.3587

 4.5862, 0.3077,
0.4055

 88.8600, 0.3117,
0.3559

 2.0066, 0.3044,
0.4326

 114.9713, 0.3118,
0.3536

 0.6113, 0.3024,
0.6976

145.7539, 0.3119,
0.3517

 0.0000, 0.0000,
0.0000

181.5920, 0.3120,

0.3501

222.8702, 0.3121,
0.3486

■ 23.4392, 0.3107,
0.3718

■ 23.4392, 0.3107,
0.3718

■ 22.2582, 0.3093,
0.4019

■ 24.8131, 0.3120,
0.3449

■ 21.2587, 0.3077,
0.4348

■ 26.3848, 0.3131,
0.3212

■ 20.4326, 0.3061,
0.4693

■ 28.1629, 0.3141,
0.3006

■ 19.7701, 0.3045,
0.5039

■ 30.1544, 0.3149,
0.2829

■ 19.2602, 0.3030,
0.5361

■ 32.3661, 0.3156,
0.2676

■ 18.8907, 0.3017,
0.5634

■ 34.8043, 0.3162,
0.2545

■ 18.6478, 0.3008,
0.5835

■ 37.4755, 0.3168,
0.2432

■ 18.5078, 0.3002,
0.5961

■ 40.3853, 0.3172,
0.2335

■ 18.4664, 0.3000,
0.6000

■ 43.5397, 0.3176,
0.2251

Harmonies

Analogous

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



23.4392, 0.3387, 0.3796



23.4392, 0.3107, 0.3718



23.4392, 0.2841, 0.3508

Triad

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



23.4392, 0.3107, 0.3718



23.4392, 0.2664, 0.2854



23.4392, 0.3620, 0.3310

Complementary

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



23.4392, 0.3107, 0.3718



19.8434, 0.3146, 0.2896

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.



23.4392, 0.3410, 0.3082



23.4392, 0.3107, 0.3718



23.4392, 0.2856, 0.2825

Square

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



23.4392, 0.3107, 0.3718



23.4392, 0.2593, 0.3000



23.4392, 0.3127, 0.2908



23.4392, 0.3692, 0.3543

Rectangle

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



23.4392, 0.3107, 0.3718



23.4392, 0.2706, 0.3329



23.4392, 0.3127, 0.2908



23.4392, 0.3563, 0.3231

Sweetspot

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



23.4402, 0.3107, 0.3718



44.8170, 0.3121, 0.3413



25.2165, 0.3366, 0.3685



10.2886, 0.3121, 0.3428



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.



23.4402, 0.3107, 0.3718



41.1131, 0.3102, 0.3831



23.7245, 0.2995, 0.3500



5.6083, 0.3117, 0.3515



16.6658, 0.3000, 0.6000



0.1107, 0.3000, 0.5998

Inverse Universe

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



19.8434, 0.3146, 0.2896



33.3695, 0.3150, 0.2802



19.5249, 0.3284, 0.3089



5.1290, 0.3137, 0.3074



6.6353, 0.3210, 0.1542



0.0441, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 23.4392, 0.3107, 0.3718 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 23.4392, 0.3107, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

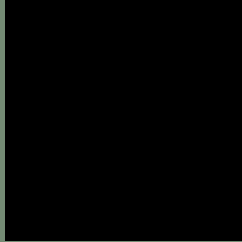
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

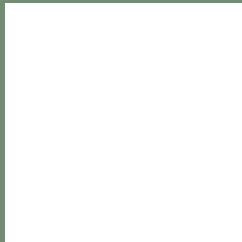
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4392, 0.3107, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 23.4392, 0.3107, 0.3718.



This preview shows how white text looks on a background with the Yxy color 23.4392, 0.3107, 0.3718.

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

23.4392, 0.3107, 0.3718

Protanopia

23.2702, 0.3430, 0.3621

Deuteranopia

23.3257, 0.3520, 0.3457



Tritanopia

23.4682, 0.2868, 0.3097

Trichromacy



Original Color

23.4392, 0.3107, 0.3718

Protanomaly

23.3681, 0.3304, 0.3666

Deuteranomaly

23.1902, 0.3361, 0.3552

Tritanomaly

23.2795, 0.2953, 0.3307

Monochromacy



Original Color

23.4392, 0.3107, 0.3718

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.6157, 0.3120, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4392, 0.3107, 0.3718 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, 116)` looks like.

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

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, 116) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 23.4392, 0.3107, 0.3718 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, 116) }
```

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

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

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, 116)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 23.4392, 0.3107, 0.3718 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, 116) }
```

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

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

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