

Converting Colors

$Y_{xy}(23.9124, 0.3125, 0.3699)$

Have a look what the booklet for
Yxy(23.9124, 0.3125, 0.3699)
contains.

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Color

Yxy(23.9625, 0.3129, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	778C75
RGB	119, 140, 117
RGB Percent	47%, 55%, 46%
CMY	0.5333, 0.4510, 0.5411
CMYK	0.15, 0.00, 0.16, 0.45
HSL	115°, 9%, 50%
HSV	115°, 16%, 55%
XYZ	20.1990, 23.9625, 20.3927
YIQ	131.0990, -5.1330, -11.6050

Conversions

Conversions Part 2

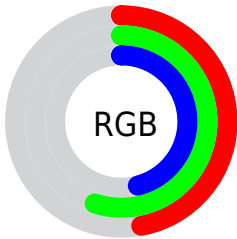
Format	Color
R_{YB}	117, 140, 138
Decimal	7834741
CIE _{Lab}	56.05, -12.18, 9.80
CIE _{LCh}	56, 15.633, 141.199
Yxy	23.9625, 0.3129, 0.3712
Android (android.graphics.Color)	4286024821 (0xFF778C75)
YUV	131.0990, -6.9508, -10.6108
Hunter-Lab	48.9515, -12.0102, 9.5665

Details

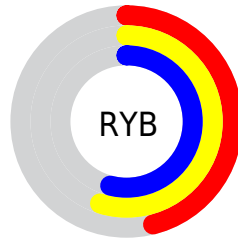
The Yxy color **23.9625, 0.3129, 0.3712** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0203, 0.3121, 0.2896**, and the grayscale version is **22.7627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1061, 0.3128, 0.3623**, and **9.0441, 0.3115, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **22.8142, 0.3127, 0.4009**, and if you desaturate by 10%, it is **25.2836, 0.3128, 0.3445**.

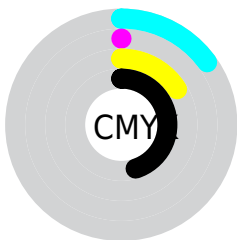
Distribution



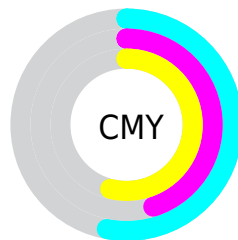
- Red (47%)
- Green (55%)
- Blue (46%)



- Red (46%)
- Yellow (55%)
- Blue (54%)



- Cyan (15%)
- Magenta (0%)
- Yellow (16%)
- Black (45%)




- Cyan (53%)
- Magenta (45%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9625, 0.3129, 0.3712 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 23.9625, 0.3129, 0.3712 by changing the saturation by 10% instead.


 23.9625, 0.3129,
0.3712


 23.9625, 0.3129,
0.3712


272.6308, 0.3131,
0.3472


 15.3058, 0.3127,
0.3784


 49.9690, 0.3131,
0.3617

 9.0343, 0.3124,
0.3886

 68.0876, 0.3131,
0.3584

 4.7636, 0.3116,
0.4039

 90.1289, 0.3131,
0.3556

 2.1092, 0.3097,
0.4298

116.4774, 0.3131,
0.3534

 0.6698, 0.3220,
0.6358

147.5175, 0.3131,
0.3515

 0.0000, 0.0000,
0.0000

183.6335, 0.3131,

0.3499

225.2098, 0.3131,
0.3485

■ 23.9625, 0.3129,
0.3712

■ 23.9625, 0.3129,
0.3712

■ 22.8142, 0.3127,
0.4009

■ 25.2836, 0.3128,
0.3445

■ 21.8287, 0.3123,
0.4330

■ 26.7811, 0.3126,
0.3209

■ 20.9996, 0.3115,
0.4668

■ 28.4621, 0.3123,
0.3002

■ 20.3186, 0.3104,
0.5006

■ 30.3327, 0.3119,
0.2822

■ 19.7772, 0.3088,
0.5323

■ 32.3985, 0.3115,
0.2666

■ 19.3655, 0.3070,
0.5596

■ 34.6650, 0.3110,
0.2531

■ 19.0726, 0.3049,
0.5804

■ 37.1374, 0.3106,
0.2414

■ 18.8841, 0.3029,
0.5939

■ 39.8206, 0.3101,
0.2312

■ 18.8356, 0.3026,
0.5979

■ 42.7195, 0.3096,
0.2224

Harmonies

Analogous

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



23.9625, 0.3397, 0.3776



23.9625, 0.3129, 0.3712



23.9625, 0.2869, 0.3518

Triad

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



23.9625, 0.3129, 0.3712



23.9625, 0.2671, 0.2877



23.9625, 0.3591, 0.3292

Complementary

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



23.9625, 0.3129, 0.3712



20.0203, 0.3121, 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.



23.9625, 0.3381, 0.3075



23.9625, 0.3129, 0.3712



23.9625, 0.2849, 0.2839

Square

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



23.9625, 0.3129, 0.3712



23.9625, 0.2612, 0.3026



23.9625, 0.3106, 0.2912



23.9625, 0.3671, 0.3518

Rectangle

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



23.9625, 0.3129, 0.3712



23.9625, 0.2733, 0.3348



23.9625, 0.3106, 0.2912



23.9625, 0.3532, 0.3216

Sweetspot

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



23.9635, 0.3129, 0.3712



44.9068, 0.3128, 0.3412



24.9507, 0.3370, 0.3645



10.3116, 0.3128, 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.



23.9635, 0.3129, 0.3712



41.4040, 0.3129, 0.3827



24.0498, 0.3018, 0.3541



5.6278, 0.3129, 0.3515



16.7410, 0.3028, 0.5978



0.1136, 0.3153, 0.5878

Inverse Universe

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



20.0203, 0.3121, 0.2896



32.9914, 0.3118, 0.2797



19.9333, 0.3255, 0.3051



5.1071, 0.3124, 0.3074



5.7477, 0.2996, 0.1424



0.0412, 0.3109, 0.1486

Previews

White Background



This preview shows how the Yxy color 23.9625, 0.3129, 0.3712 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 23.9625, 0.3129, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

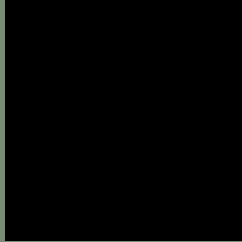
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

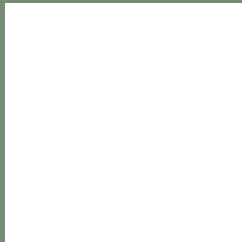
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.9625, 0.3129, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 23.9625, 0.3129, 0.3712.



This preview shows how white text looks on a background with the Yxy color 23.9625, 0.3129, 0.3712.

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

23.9625, 0.3129, 0.3712

Protanopia

23.9278, 0.3425, 0.3635

Deuteranopia

23.7078, 0.3518, 0.3456



Tritanopia

24.0000, 0.2890, 0.3099

Trichromacy



Original Color

23.9625, 0.3129, 0.3712

Protanomaly

23.8327, 0.3314, 0.3662

Deuteranomaly

23.6585, 0.3372, 0.3550

Tritanomaly

23.8065, 0.2975, 0.3307

Monochromacy



Original Color

23.9625, 0.3129, 0.3712

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.0686, 0.3132, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9625, 0.3129, 0.3712 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(119, 140, 117)` looks like.

```
.text, #text, p{  
    color:rgb(119, 140, 117)  
}
```

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(119, 140, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 140, 117) }
```

Border

The CSS property to change the border of an element to Yxy 23.9625, 0.3129, 0.3712 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(119, 140, 117) }
```

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

```
.border{ border-color:rgb(119, 140, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 140, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 140, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 140, 117);  
box-shadow:4px 4px 4px 4px rgb(119, 140,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9625, 0.3129, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 140, 117) }
```

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

```
.background{ background-color: rgb(119,  
140, 117) }
```

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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