

Converting Colors

$Y_{xy}(23.7342, 0.3110, 0.3572)$

Have a look what the booklet for
Yxy(23.7342, 0.3110, 0.3572)
contains.

Yxy(23.7197, 0.3114, 0.3580)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7197, 0.3114, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	7A8A7A
RGB	122, 138, 122
RGB Percent	48%, 54%, 48%
CMY	0.5214, 0.4589, 0.5216
CMYK	0.12, 0.00, 0.12, 0.46
HSL	120°, 6%, 51%
HSV	120°, 12%, 54%
XYZ	20.6322, 23.7197, 21.9043
YIQ	131.3920, -4.4000, -8.3680

Conversions

Conversions Part 2

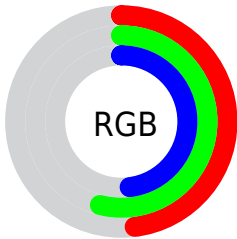
Format	Color
RYB	122, 138, 138
Decimal	8030842
CIELab	55.81, -9.01, 6.61
CIELCh	56, 11.180, 143.724
Yxy	23.7197, 0.3114, 0.3580
Android (android.graphics.Color)	4286220922 (0xFF7A8A7A)
YUV	131.3920, -4.6303, -8.2368
Hunter-Lab	48.7029, -9.6115, 7.4261

Details

The Yxy color **23.7197, 0.3114, 0.3580** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.1539, 0.3140, 0.3016**, and the grayscale version is **22.8656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3163, 0.3117, 0.3515**, and **8.8770, 0.3108, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **22.4675, 0.3101, 0.3866**, and if you desaturate by 10%, it is **25.1649, 0.3125, 0.3327**.

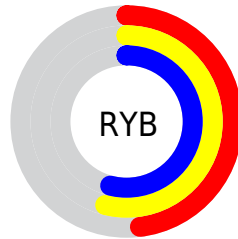
Distribution



Red (48%)

Green (54%)

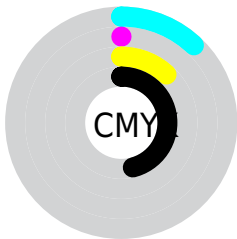
Blue (48%)



Red (48%)

Yellow (54%)

Blue (54%)

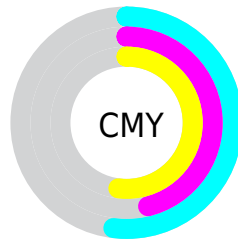


Cyan (12%)

Magenta (0%)

Yellow (12%)

Black (46%)



Cyan (52%)


Magenta (46%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7197, 0.3114, 0.3580 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 23.7197, 0.3114, 0.3580 by changing the saturation by 10% instead.

 23.7197, 0.3114,
0.3580

 23.7197, 0.3114,
0.3580


271.4003, 0.3123,
0.3416


 15.1258, 0.3111,
0.3629


 49.5724, 0.3118,
0.3515

 8.9077, 0.3106,
0.3698


 67.6000, 0.3119,
0.3492

 4.6811, 0.3098,
0.3801


 89.5410, 0.3120,
0.3474

 2.0614, 0.3081,
0.3975

115.7798, 0.3121,
0.3458

 0.6428, 0.3075,
0.5057

146.7007, 0.3121,
0.3445

 0.0000, 0.0000,
0.0000

182.6881, 0.3122,

0.3434

224.1265, 0.3122,
0.3425

■ 23.7197, 0.3114,
0.3580

■ 23.7197, 0.3114,
0.3580

■ 22.4675, 0.3101,
0.3866

■ 25.1649, 0.3125,
0.3327

■ 21.3972, 0.3086,
0.4181

■ 26.8074, 0.3135,
0.3106

■ 20.5012, 0.3071,
0.4520

■ 28.6555, 0.3144,
0.2915

■ 19.7704, 0.3055,
0.4867

■ 30.7160, 0.3151,
0.2750

■ 19.1947, 0.3039,
0.5203

■ 32.9951, 0.3158,
0.2608

■ 18.7629, 0.3025,
0.5504

■ 35.4992, 0.3163,
0.2487

■ 18.4622, 0.3013,
0.5744

■ 38.2341, 0.3168,
0.2382

■ 18.2779, 0.3005,
0.5905

■ 41.2056, 0.3172,
0.2291

■ 18.1769, 0.3001,
0.5999

■ 44.4192, 0.3175,
0.2213

Harmonies

Analogous

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



23.7197, 0.3308, 0.3636



23.7197, 0.3114, 0.3580



23.7197, 0.2928, 0.3438

Triad

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



23.7197, 0.3114, 0.3580



23.7197, 0.2805, 0.2987



23.7197, 0.3467, 0.3309

Complementary

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



23.7197, 0.3114, 0.3580



21.1539, 0.3140, 0.3016

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.



23.7197, 0.3325, 0.3147



23.7197, 0.3114, 0.3580



23.7197, 0.2941, 0.2964

Square

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



23.7197, 0.3114, 0.3580



23.7197, 0.2754, 0.3091



23.7197, 0.3131, 0.3022



23.7197, 0.3516, 0.3471

Rectangle

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



23.7197, 0.3114, 0.3580



23.7197, 0.2833, 0.3318



23.7197, 0.3131, 0.3022



23.7197, 0.3429, 0.3253

Sweetspot

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



23.7207, 0.3114, 0.3580



43.9652, 0.3124, 0.3362



24.9061, 0.3294, 0.3560



9.8169, 0.3123, 0.3381



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.7207, 0.3114, 0.3580



41.1852, 0.3111, 0.3654



23.9170, 0.3037, 0.3438



5.6088, 0.3117, 0.3515



16.6679, 0.3001, 0.5999



0.1108, 0.3005, 0.5996

Inverse Universe

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



21.1539, 0.3140, 0.3016



35.7009, 0.3142, 0.2951



20.9415, 0.3229, 0.3147



5.1283, 0.3137, 0.3074



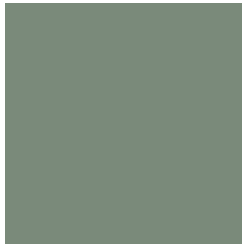
6.6091, 0.3203, 0.1538



0.0440, 0.3206, 0.1540

Previews

White Background



This preview shows how the Yxy color 23.7197, 0.3114, 0.3580 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 23.7197, 0.3114, 0.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

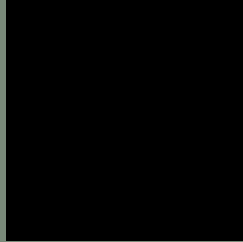
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

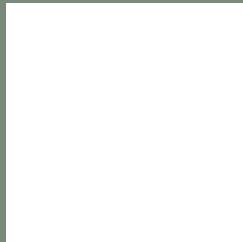
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.7197, 0.3114, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 23.7197, 0.3114, 0.3580.



This preview shows how white text looks on a background with the Yxy color 23.7197, 0.3114, 0.3580.

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

23.7197, 0.3114, 0.3580

Protanopia

23.5959, 0.3349, 0.3533

Deuteranopia

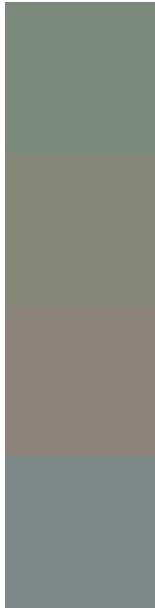
23.6398, 0.3435, 0.3374



Tritanopia

23.8079, 0.2930, 0.3117

Trichromacy



Original Color

23.7197, 0.3114, 0.3580

Protanomaly

23.6706, 0.3263, 0.3555

Deuteranomaly

23.5080, 0.3318, 0.3445

Tritanomaly

23.7744, 0.2997, 0.3272

Monochromacy



Original Color

23.7197, 0.3114, 0.3580

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.1979, 0.3122, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7197, 0.3114, 0.3580 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(122, 138, 122)` looks like.

```
.text, #text, p{  
    color:rgb(122, 138, 122)  
}
```

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(122, 138, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 138, 122) }
```

Border

The CSS property to change the border of an element to Yxy 23.7197, 0.3114, 0.3580 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(122, 138, 122) }
```

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

```
.border{ border-color:rgb(122, 138, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 138, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 138, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 138, 122);  
box-shadow:4px 4px 4px 4px rgb(122, 138,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7197, 0.3114, 0.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 138, 122) }
```

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

```
.background{ background-color: rgb(122,  
138, 122) }
```

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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