

Converting Colors

$Y_{xy}(22.9971, 0.3111, 0.3631)$

Have a look what the booklet for
Yxy(22.9971, 0.3111, 0.3631)
contains.

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Color

Yxy(23.0509, 0.3111, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	768976
RGB	118, 137, 118
RGB Percent	46%, 54%, 46%
CMY	0.5371, 0.4628, 0.5373
CMYK	0.14, 0.00, 0.14, 0.46
HSL	120°, 7%, 50%
HSV	120°, 14%, 54%
XYZ	19.6901, 23.0509, 20.5509
YIQ	129.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

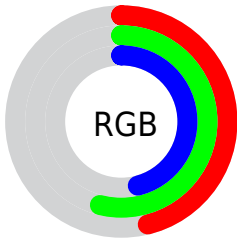
Format	Color
RYB	118, 137, 137
Decimal	7768438
CIELab	55.12, -10.72, 7.91
CIELCh	55, 13.320, 143.597
Yxy	23.0509, 0.3111, 0.3642
Android (android.graphics.Color)	4285958518 (0xFF768976)
YUV	129.1530, -5.4984, -9.7812
Hunter-Lab	48.0114, -10.8146, 8.2293

Details

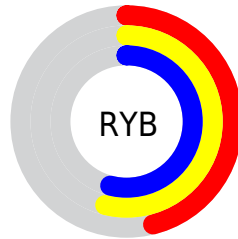
The Yxy color **23.0509, 0.3111, 0.3642** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0783, 0.3142, 0.2961**, and the grayscale version is **22.0327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2752, 0.3115, 0.3559**, and **8.5238, 0.3088, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **21.8601, 0.3098, 0.3935**, and if you desaturate by 10%, it is **24.4299, 0.3123, 0.3382**.

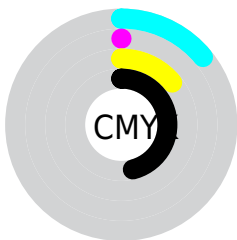
Distribution



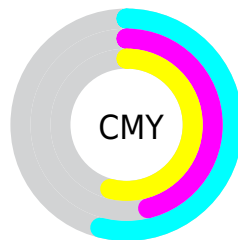
- Red (46%)
- Green (54%)
- Blue (46%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (14%)
- Black (46%)





- Cyan (54%)
- Magenta (46%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0509, 0.3111, 0.3642 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 23.0509, 0.3111, 0.3642 by changing the saturation by 10% instead.


 23.0509, 0.3111,
0.3642


 23.0509, 0.3111,
0.3642


267.9863, 0.3122,
0.3442


 14.6311, 0.3107,
0.3703


 48.4769, 0.3116,
0.3562

 8.5609, 0.3100,
0.3788

 66.2519, 0.3117,
0.3534

 4.4559, 0.3089,
0.3919


 87.9140, 0.3119,
0.3512

 1.9317, 0.3065,
0.4140

113.8478, 0.3120,
0.3493

 0.5673, 0.3050,
0.6235

144.4375, 0.3120,
0.3477

 0.0000, 0.0000,
0.0000

180.0675, 0.3121,

0.3464

221.1223, 0.3122,
0.3452

■ 23.0509, 0.3111,
0.3642

■ 23.0509, 0.3111,
0.3642

■ 21.8601, 0.3098,
0.3935

■ 24.4299, 0.3123,
0.3382

■ 20.8464, 0.3083,
0.4256

■ 26.0015, 0.3133,
0.3154

■ 20.0024, 0.3067,
0.4598

■ 27.7739, 0.3142,
0.2956

■ 19.3187, 0.3051,
0.4945

■ 29.7538, 0.3150,
0.2786

■ 18.7853, 0.3035,
0.5275

■ 31.9475, 0.3157,
0.2639

■ 18.3908, 0.3021,
0.5564

■ 34.3613, 0.3163,
0.2513

■ 18.1223, 0.3011,
0.5787

■ 37.0009, 0.3167,
0.2405

■ 17.9641, 0.3004,
0.5930

■ 39.8722, 0.3172,
0.2311

■ 17.8915, 0.3001,
0.6000

■ 42.9804, 0.3175,
0.2231

Harmonies

Analogous

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



23.0509, 0.3344, 0.3708



23.0509, 0.3111, 0.3642



23.0509, 0.2889, 0.3469

Triad

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



23.0509, 0.3111, 0.3642



23.0509, 0.2741, 0.2926



23.0509, 0.3537, 0.3310

Complementary

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



23.0509, 0.3111, 0.3642



20.0783, 0.3142, 0.2961

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.



23.0509, 0.3364, 0.3117



23.0509, 0.3111, 0.3642



23.0509, 0.2903, 0.2900

Square

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



23.0509, 0.3111, 0.3642



23.0509, 0.2680, 0.3050



23.0509, 0.3130, 0.2970



23.0509, 0.3595, 0.3505

Rectangle

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



23.0509, 0.3111, 0.3642



23.0509, 0.2775, 0.3323



23.0509, 0.3130, 0.2970



23.0509, 0.3490, 0.3243

Sweetspot

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



23.0519, 0.3111, 0.3642



43.6939, 0.3123, 0.3387



24.4261, 0.3327, 0.3614



9.7607, 0.3122, 0.3404



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.



23.0519, 0.3111, 0.3642



40.4983, 0.3106, 0.3741



23.2786, 0.3019, 0.3469



5.6086, 0.3117, 0.3515



16.6672, 0.3001, 0.6000



0.1108, 0.3003, 0.5998

Inverse Universe

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



20.0783, 0.3142, 0.2961



33.9811, 0.3146, 0.2877



19.8286, 0.3251, 0.3118



5.1286, 0.3137, 0.3074



6.6183, 0.3205, 0.1539



0.0440, 0.3207, 0.1541

Previews

White Background



This preview shows how the Yxy color 23.0509, 0.3111, 0.3642 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 23.0509, 0.3111, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

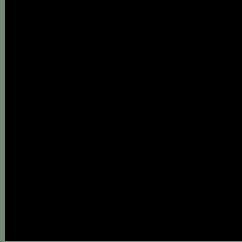
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

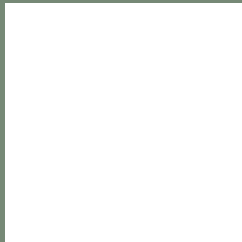
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.0509, 0.3111, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 23.0509, 0.3111, 0.3642.



This preview shows how white text looks on a background with the Yxy color 23.0509, 0.3111, 0.3642.

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

23.0509, 0.3111, 0.3642

Protanopia

22.8737, 0.3386, 0.3571

Deuteranopia

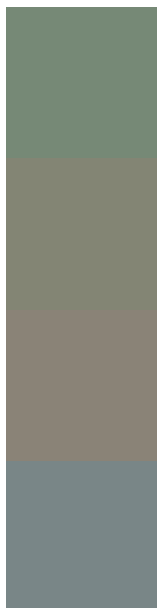
22.9244, 0.3475, 0.3408



Tritanopia

22.9262, 0.2896, 0.3096

Trichromacy



Original Color

23.0509, 0.3111, 0.3642

Protanomaly

22.8613, 0.3286, 0.3595

Deuteranomaly

22.9678, 0.3341, 0.3500

Tritanomaly

22.8644, 0.2974, 0.3272

Monochromacy



Original Color

23.0509, 0.3111, 0.3642

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3432, 0.3121, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0509, 0.3111, 0.3642 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, 137, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 137, 118)  
}
```

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, 137, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 137, 118) }
```

Border

The CSS property to change the border of an element to Yxy 23.0509, 0.3111, 0.3642 is called "border". The border property can be set on classes, ids or directly on the HTML element.

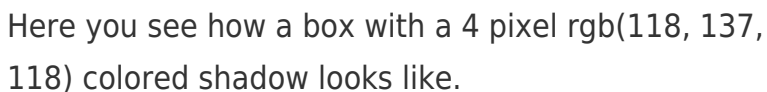
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 137, 118) }
```

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

```
.border{ border-color:rgb(118, 137, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 137, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 137, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 137, 118); box-shadow:4px 4px 4px 4px rgb(118, 137, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0509, 0.3111, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 137, 118) }
```

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

```
.background{ background-color: rgb(118,  
137, 118) }
```

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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