

Converting Colors

$Y_{xy}(23.7792, 0.3298, 0.4148)$

Have a look what the booklet for
Yxy(23.7792, 0.3298, 0.4148)
contains.

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Color

Yxy(23.9035, 0.3298, 0.4152)

Conversions

Conversions Part 1

Format	Color
Hex	748E60
RGB	116, 142, 96
RGB Percent	45%, 56%, 38%
CMY	0.5451, 0.4431, 0.6235
CMYK	0.18, 0.00, 0.32, 0.44
HSL	94°, 19%, 47%
HSV	94°, 32%, 56%
XYZ	18.9869, 23.9035, 14.6806
YIQ	128.9820, -0.7300, -19.8180

Conversions

Conversions Part 2

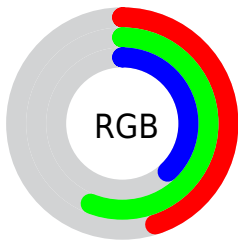
Format	Color
RYB	96, 142, 122
Decimal	7638624
CIELab	55.99, -18.02, 21.57
CIELCh	56, 28.104, 129.879
Yxy	23.9035, 0.3298, 0.4152
Android (android.graphics.Color)	4285828704 (0xFF748E60)
YUV	128.9820, -16.2601, -11.3852
Hunter-Lab	48.8912, -16.2390, 16.4208

Details

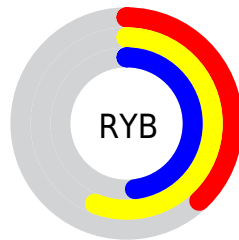
The Yxy color $23.9035, 0.3298, 0.4152$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.4582, 0.2896, 0.2449$, and the grayscale version is $22.0051, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.0215, 0.3271, 0.3955$, and $9.0693, 0.3337, 0.4519$ is the 20% darker color. If you saturate the color by 10%, you get $23.1395, 0.3340, 0.4450$, and if you desaturate by 10%, it is $24.7643, 0.3249, 0.3865$.

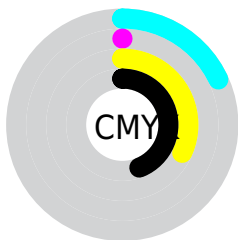
Distribution



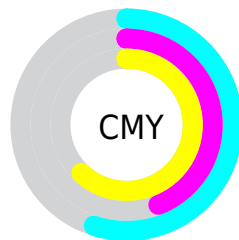
- Red (45%)
- Green (56%)
- Blue (38%)



- Red (38%)
- Yellow (56%)
- Blue (48%)



- Cyan (18%)
- Magenta (0%)
- Yellow (32%)
- Black (44%)





- Cyan (55%)
- Magenta (44%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9035, 0.3298, 0.4152 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 23.9035, 0.3298, 0.4152 by changing the saturation by 10% instead.


 23.9035, 0.3298,
0.4152


 23.9035, 0.3298,
0.4152


272.3322, 0.3214,
0.3657


 15.2621, 0.3316,
0.4302


 49.8727, 0.3269,
0.3954


 9.0035, 0.3335,
0.4513


 67.9692, 0.3257,
0.3886

 4.7435, 0.3351,
0.4829

 89.9862, 0.3247,
0.3830

 2.0975, 0.3422,
0.5481

 116.3081, 0.3239,
0.3783

 0.6632, 0.2231,
0.7769

147.3192, 0.3231,
0.3744

 0.0000, 0.0000,
0.0000

183.4040, 0.3225,

0.3711

224.9469, 0.3219,
0.3682

■ 23.9035, 0.3298,
0.4152

■ 23.9035, 0.3298,
0.4152

■ 23.1395, 0.3340,
0.4450

■ 24.7643, 0.3249,
0.3865

■ 22.4656, 0.3371,
0.4747

■ 25.7224, 0.3195,
0.3595

■ 21.8787, 0.3388,
0.5033


■ 26.7822, 0.3140,
0.3346

■ 21.3744, 0.3388,
0.5290

■ 27.9467, 0.3086,
0.3120

■ 20.9479, 0.3368,
0.5505


■ 29.2189, 0.3032,
0.2916

 20.5936, 0.3330,
0.5666

 30.6018, 0.2981,
0.2733

 20.3622, 0.3296,
0.5765

 32.0981, 0.2933,
0.2571

 33.7104, 0.2888,
0.2426

 35.4414, 0.2846,
0.2298

Harmonies

Analogous

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



23.9035, 0.3751, 0.4137



23.9035, 0.3298, 0.4152



23.9035, 0.2820, 0.3873

Triad

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



23.9035, 0.3298, 0.4152



23.9035, 0.2271, 0.2628



23.9035, 0.3844, 0.3130

Complementary

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



23.9035, 0.3298, 0.4152



14.4582, 0.2896, 0.2449

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.



23.9035, 0.3394, 0.2795



23.9035, 0.3298, 0.4152



23.9035, 0.2496, 0.2508

Square

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



23.9035, 0.3298, 0.4152



23.9035, 0.2252, 0.2940



23.9035, 0.2897, 0.2573



23.9035, 0.4090, 0.3518

Rectangle

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



23.9035, 0.3298, 0.4152



23.9035, 0.2551, 0.3569



23.9035, 0.2897, 0.2573



23.9035, 0.3710, 0.3009

Sweetspot

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



23.9045, 0.3298, 0.4152



45.7498, 0.3183, 0.3539



20.3445, 0.3701, 0.3738



10.1687, 0.3190, 0.3570



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.



23.9045, 0.3298, 0.4152



41.1352, 0.3330, 0.4372



22.7216, 0.3063, 0.4163



6.1368, 0.3178, 0.3513



18.2919, 0.3299, 0.5762



0.1875, 0.3647, 0.5486

Inverse Universe

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



14.4582, 0.2896, 0.2449



21.7527, 0.2827, 0.2241



16.0026, 0.3194, 0.2549



5.3959, 0.3073, 0.3069



3.3065, 0.2180, 0.0975



0.0447, 0.2639, 0.1227

Previews

White Background



This preview shows how the Yxy color 23.9035, 0.3298, 0.4152 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 23.9035, 0.3298, 0.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

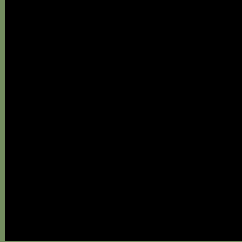
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9035, 0.3298, 0.4152

Background



This preview shows how black text looks on a background with the Yxy color 23.9035, 0.3298, 0.4152.



This preview shows how white text looks on a background with the Yxy color 23.9035, 0.3298, 0.4152.

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

23.9035, 0.3298, 0.4152

Protanopia

23.8603, 0.3707, 0.3988

Deuteranopia

23.6083, 0.3835, 0.3761



Tritanopia

23.9687, 0.2900, 0.3116

Trichromacy



Original Color

23.9035, 0.3298, 0.4152

Protanomaly

23.7678, 0.3546, 0.4053

Deuteranomaly

23.4965, 0.3632, 0.3893

Tritanomaly

23.8004, 0.3043, 0.3470

Monochromacy



Original Color

23.9035, 0.3298, 0.4152

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.6196, 0.3192, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9035, 0.3298, 0.4152 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, 142, 96)` looks like.

```
.text, #text, p{  
    color:rgb(116, 142, 96)  
}
```

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, 142, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 142, 96) }
```

Border

The CSS property to change the border of an element to Yxy 23.9035, 0.3298, 0.4152 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, 142, 96) }
```

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

```
.border{ border-color:rgb(116, 142, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 142, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 142, 96); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 142, 96); box-shadow:4px 4px 4px 4px rgb(116, 142, 96) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9035, 0.3298, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 142, 96) }
```

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

```
.background{ background-color: rgb(116,  
142, 96) }
```

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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