

Converting Colors

$Y_{xy}(23.3780, 0.3126, 0.3875)$

Have a look what the booklet for
Yxy(23.3780, 0.3126, 0.3875)
contains.

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Color

$Y_{xy}(23.3050, 0.3132, 0.3878)$

Conversions

Conversions Part 1

Format	Color
Hex	708C6D
RGB	112, 140, 109
RGB Percent	44%, 55%, 43%
CMY	0.5607, 0.4510, 0.5726
CMYK	0.20, 0.00, 0.22, 0.45
HSL	114°, 12%, 49%
HSV	114°, 22%, 55%
XYZ	18.8219, 23.3050, 17.9685
YIQ	128.0940, -6.7370, -15.5770

Conversions

Conversions Part 2

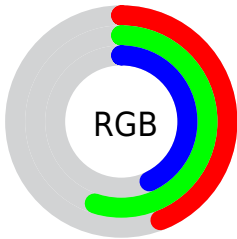
Format	Color
RYB	109, 140, 137
Decimal	7375981
CIELab	55.39, -16.26, 13.38
CIElCh	55, 21.053, 140.554
Yxy	23.3050, 0.3132, 0.3878
Android (android.graphics.Color)	4285566061 (0xFF708C6D)
YUV	128.0940, -9.4133, -14.1144
Hunter-Lab	48.2753, -14.8869, 11.7244

Details

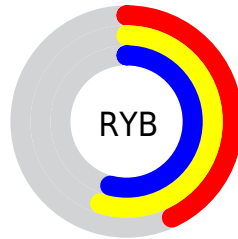
The Yxy color $23.3050, 0.3132, 0.3878$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.1412, 0.3113, 0.2754$, and the grayscale version is $21.6572, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.0493, 0.3130, 0.3741$, and $8.7060, 0.3118, 0.4145$ is the 20% darker color. If you saturate the color by 10%, you get $22.2570, 0.3130, 0.4189$, and if you desaturate by 10%, it is $24.5192, 0.3131, 0.3594$.

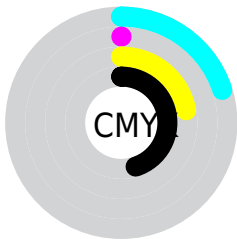
Distribution



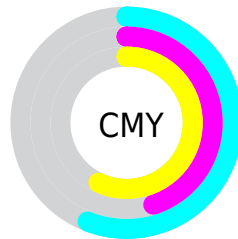
- Red (44%)
- Green (55%)
- Blue (43%)



- Red (43%)
- Yellow (55%)
- Blue (54%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)
- Black (45%)





- Cyan (56%)
- Magenta (45%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3050, 0.3132, 0.3878 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 23.3050, 0.3132, 0.3878 by changing the saturation by 10% instead.


 23.3050, 0.3132,
0.3878


 23.3050, 0.3132,
0.3878


269.2877, 0.3135,
0.3540


 14.8189, 0.3128,
0.3981


 48.8937, 0.3135,
0.3743


 8.6924, 0.3121,
0.4128


 66.7650, 0.3135,
0.3696

 4.5411, 0.3106,
0.4352

 88.5335, 0.3135,
0.3658

 1.9806, 0.3066,
0.4736

 114.5836, 0.3135,
0.3626

 0.5962, 0.2216,
0.7784

145.2997, 0.3135,
0.3600

 0.0000, 0.0000,
0.0000

181.0661, 0.3135,

0.3577

222.2673, 0.3135,
0.3557

■ 23.3050, 0.3132,
0.3878

■ 23.3050, 0.3132,
0.3878

■ 22.2570, 0.3130,
0.4189

■ 24.5192, 0.3131,
0.3594

■ 21.3650, 0.3125,
0.4520

■ 25.9033, 0.3128,
0.3341

■ 20.6226, 0.3116,
0.4859

■ 27.4644, 0.3124,
0.3117

■ 20.0215, 0.3103,
0.5187

■ 29.2087, 0.3119,
0.2922

■ 19.5526, 0.3085,
0.5482

■ 31.1417, 0.3113,
0.2752

■ 19.2059, 0.3064,
0.5720

■ 33.2688, 0.3107,
0.2605

■ 18.9699, 0.3042,
0.5884

■ 35.5954, 0.3101,
0.2477

■ 18.8472, 0.3030,
0.5976

■ 38.1263, 0.3095,
0.2366

■ 40.8665, 0.3090,
0.2270

Harmonies

Analogous

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



23.3050, 0.3494, 0.3955



23.3050, 0.3132, 0.3878



23.3050, 0.2782, 0.3610

Triad

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



23.3050, 0.3132, 0.3878



23.3050, 0.2512, 0.2734



23.3050, 0.3755, 0.3279

Complementary

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



23.3050, 0.3132, 0.3878



18.1412, 0.3113, 0.2754

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.



23.3050, 0.3462, 0.2995



23.3050, 0.3132, 0.3878



23.3050, 0.2743, 0.2688

Square

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



23.3050, 0.3132, 0.3878



23.3050, 0.2438, 0.2931



23.3050, 0.3087, 0.2783



23.3050, 0.3868, 0.3582

Rectangle

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



23.3050, 0.3132, 0.3878



23.3050, 0.2601, 0.3372



23.3050, 0.3087, 0.2783



23.3050, 0.3674, 0.3180

Sweetspot

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



23.3060, 0.3132, 0.3878



44.4131, 0.3130, 0.3463



24.5412, 0.3459, 0.3772



10.2065, 0.3130, 0.3476



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.



23.3060, 0.3132, 0.3878



40.0539, 0.3132, 0.4043



23.3959, 0.2981, 0.3640



5.6302, 0.3130, 0.3515



16.7514, 0.3031, 0.5975



0.1139, 0.3171, 0.5864

Inverse Universe

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



18.1412, 0.3113, 0.2754



29.1455, 0.3108, 0.2619



18.0563, 0.3308, 0.2964



5.1045, 0.3123, 0.3073



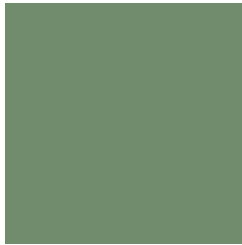
5.6460, 0.2970, 0.1410



0.0409, 0.3096, 0.1479

Previews

White Background



This preview shows how the Yxy color 23.3050, 0.3132, 0.3878 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 23.3050, 0.3132, 0.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

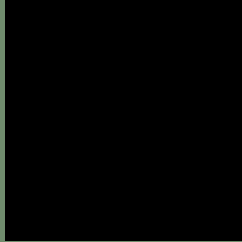
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3050, 0.3132, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 23.3050, 0.3132, 0.3878.



This preview shows how white text looks on a background with the Yxy color 23.3050, 0.3132, 0.3878.

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

23.3050, 0.3132, 0.3878

Protanopia

23.1852, 0.3533, 0.3760

Deuteranopia

23.0240, 0.3608, 0.3541



Tritanopia

23.2548, 0.2838, 0.3095

Trichromacy



Original Color

23.3050, 0.3132, 0.3878

Protanomaly

23.1144, 0.3378, 0.3814

Deuteranomaly

22.9686, 0.3416, 0.3660

Tritanomaly

23.2978, 0.2941, 0.3362

Monochromacy



Original Color

23.3050, 0.3132, 0.3878

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0206, 0.3129, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3050, 0.3132, 0.3878 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(112, 140, 109)` looks like.

```
.text, #text, p{  
    color:rgb(112, 140, 109)  
}
```

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(112, 140, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 140, 109) }
```

Border

The CSS property to change the border of an element to Yxy 23.3050, 0.3132, 0.3878 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(112, 140, 109) }
```

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

```
.border{ border-color:rgb(112, 140, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 140, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 140, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 140, 109);  
box-shadow:4px 4px 4px 4px rgb(112, 140,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3050, 0.3132, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 140, 109) }
```

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

```
.background{ background-color: rgb(112,  
140, 109) }
```

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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