

Converting Colors

$Y_{xy}(23.8334, 0.3466, 0.3784)$

Have a look what the booklet for
Yxy(23.8334, 0.3466, 0.3784)
contains.

Yxy(23.7928, 0.3463, 0.3780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7928, 0.3463, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	8A876B
RGB	138, 135, 107
RGB Percent	54%, 53%, 42%
CMY	0.4589, 0.4706, 0.5804
CMYK	0.00, 0.02, 0.22, 0.46
HSL	54°, 13%, 48%
HSV	54°, 22%, 54%
XYZ	21.7975, 23.7928, 17.3536
YIQ	132.7050, 10.7760, -8.0720

Conversions

Conversions Part 2

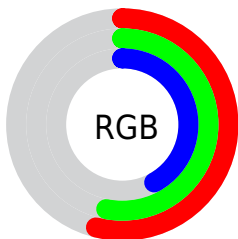
Format	Color
RYB	110, 138, 107
Decimal	9078635
CIELab	55.88, -3.78, 15.49
CIElCh	56, 15.948, 103.697
Yxy	23.7928, 0.3463, 0.3780
Android (android.graphics.Color)	4287268715 (0xFF8A876B)
YUV	132.7050, -12.6726, 4.6437
Hunter-Lab	48.7779, -5.5945, 13.0510

Details

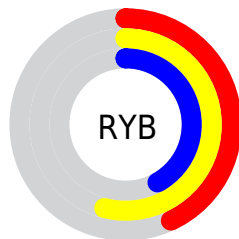
The Yxy color **23.7928, 0.3463, 0.3780** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1083, 0.2767, 0.2748**, and the grayscale version is **23.3865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6415, 0.3398, 0.3676**, and **8.8875, 0.3603, 0.3972** is the 20% darker color. If you saturate the color by 10%, you get **23.1582, 0.3619, 0.4002**, and if you desaturate by 10%, it is **24.4805, 0.3310, 0.3558**.

Distribution



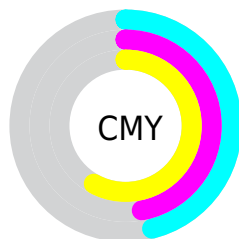
- Red (54%)
- Green (53%)
- Blue (42%)



- Red (43%)
- Yellow (54%)
- Blue (42%)



- Cyan (0%)
- Magenta (2%)
- Yellow (22%)
- Black (46%)



- Cyan (46%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7928, 0.3463, 0.3780 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 23.7928, 0.3463, 0.3780 by changing the saturation by 10% instead.


 23.7928, 0.3463,
0.3780


 23.7928, 0.3463,
0.3780


271.7713, 0.3278,
0.3506


 15.1800, 0.3515,
0.3860


 49.6919, 0.3391,
0.3672


 8.9458, 0.3586,
0.3971


 67.7469, 0.3366,
0.3634

 4.7058, 0.3687,
0.4133


 89.7182, 0.3345,
0.3603

 2.0757, 0.3844,
0.4397

 115.9900, 0.3327,
0.3577

 0.6509, 0.4472,
0.5528

146.9469, 0.3312,
0.3555

 0.0000, 0.0000,
0.0000

182.9731, 0.3299,

0.3536

224.4531, 0.3288,
0.3520

■ 23.7928, 0.3463,
0.3780

■ 23.7928, 0.3463,
0.3780

■ 23.1582, 0.3619,
0.4002

■ 24.4805, 0.3310,
0.3558

■ 22.5713, 0.3774,
0.4216

■ 25.2201, 0.3162,
0.3342

■ 22.0308, 0.3921,
0.4414

■ 26.0148, 0.3023,
0.3135

■ 21.5340, 0.4055,
0.4587

■ 26.8662, 0.2894,
0.2940

■ 21.0781, 0.4170,
0.4726

■ 27.7762, 0.2775,
0.2759

■ 20.6598, 0.4262,
0.4827

■ 28.7464, 0.2666,
0.2592

■ 20.2752, 0.4328,
0.4885

■ 29.7785, 0.2568,
0.2439

■ 19.9983, 0.4368,
0.4914

■ 30.8739, 0.2478,
0.2299

■ 32.0341, 0.2398,
0.2173

Harmonies

Analogous

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



23.7928, 0.3641, 0.3669



23.7928, 0.3463, 0.3780



23.7928, 0.3199, 0.3752

Triad

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



23.7928, 0.3463, 0.3780



23.7928, 0.2607, 0.3073



23.7928, 0.3319, 0.3022

Complementary

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



23.7928, 0.3463, 0.3780



16.1083, 0.2767, 0.2748

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.



23.7928, 0.3035, 0.2876



23.7928, 0.3463, 0.3780



23.7928, 0.2634, 0.2895

Square

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



23.7928, 0.3463, 0.3780



23.7928, 0.2711, 0.3326



23.7928, 0.2787, 0.2828



23.7928, 0.3558, 0.3234

Rectangle

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



23.7928, 0.3463, 0.3780



23.7928, 0.3013, 0.3652



23.7928, 0.2787, 0.2828



23.7928, 0.3225, 0.2964

Sweetspot

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



23.7939, 0.3463, 0.3780



43.8399, 0.3230, 0.3442



17.0459, 0.3522, 0.3235



9.8194, 0.3237, 0.3453



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.



23.7939, 0.3463, 0.3780



41.3644, 0.3543, 0.3894



23.6396, 0.3308, 0.3855



5.7642, 0.3260, 0.3486



18.3508, 0.4367, 0.4914



0.1330, 0.4273, 0.4989

Inverse Universe

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



16.1083, 0.2767, 0.2748



25.3155, 0.2674, 0.2604



16.3003, 0.2914, 0.2714



4.9647, 0.2991, 0.3086



1.9639, 0.1525, 0.0689



0.0218, 0.1631, 0.1070

Previews

White Background



This preview shows how the Yxy color 23.7928, 0.3463, 0.3780 looks on a white background.

Color Contrast Check

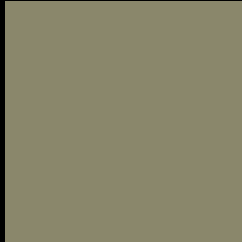
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7928, 0.3463, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

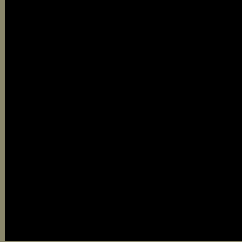
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7928, 0.3463, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 23.7928, 0.3463, 0.3780.



This preview shows how white text looks on a background with the Yxy color 23.7928, 0.3463, 0.3780.

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

23.7928, 0.3463, 0.3780

Protanopia

23.8416, 0.3526, 0.3773

Deuteranopia

23.8511, 0.3698, 0.3634



Tritanopia

23.6391, 0.3147, 0.3107

Trichromacy



Original Color

23.7928, 0.3463, 0.3780

Protanomaly

23.7535, 0.3514, 0.3775

Deuteranomaly

23.7049, 0.3602, 0.3677

Tritanomaly

23.7502, 0.3264, 0.3341

Monochromacy



Original Color

23.7928, 0.3463, 0.3780

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6563, 0.3245, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7928, 0.3463, 0.3780 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(138, 135, 107)` looks like.

```
.text, #text, p{  
    color:rgb(138, 135, 107)  
}
```

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(138, 135, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 135, 107) }
```

Border

The CSS property to change the border of an element to Yxy 23.7928, 0.3463, 0.3780 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(138, 135, 107) }
```

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

```
.border{ border-color:rgb(138, 135, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 135, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 135, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 135, 107);  
box-shadow:4px 4px 4px 4px rgb(138, 135,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7928, 0.3463, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 135, 107) }
```

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

```
.background{ background-color: rgb(138,  
135, 107) }
```

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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