

Converting Colors

$Y_{xy}(23.3806, 0.3658, 0.3265)$

Have a look what the booklet for
Yxy(23.3806, 0.3658, 0.3265)
contains.

Yxy(23.4561, 0.3668, 0.3276)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4561, 0.3668, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	A67A7B
RGB	166, 122, 123
RGB Percent	65%, 48%, 48%
CMY	0.3490, 0.5216, 0.5177
CMYK	0.00, 0.27, 0.26, 0.35
HSL	359°, 20%, 56%
HSV	359°, 27%, 65%
XYZ	26.2628, 23.4561, 21.8809
YIQ	135.2700, 25.9030, 9.6390

Conversions

Conversions Part 2

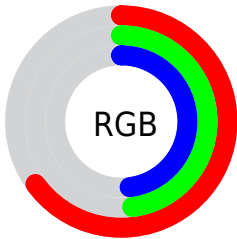
Format	Color
RYB	166, 122, 123
Decimal	10910331
CIELab	55.54, 17.31, 6.20
CIELCh	56, 18.383, 19.698
Yxy	23.4561, 0.3668, 0.3276
Android (android.graphics.Color)	4289100411 (0xFFA67A7B)
YUV	135.2700, -6.0491, 26.9502
Hunter-Lab	48.4315, 12.0396, 7.1154

Details

The Yxy color $23.4561, 0.3668, 0.3276$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $34.1329, 0.2755, 0.3305$, and the grayscale version is $24.3505, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.2847, 0.3552, 0.3291$, and $8.7702, 0.3888, 0.3270$ is the 20% darker color. If you saturate the color by 10%, you get $19.3495, 0.3966, 0.3271$, and if you desaturate by 10%, it is $28.3287, 0.3426, 0.3281$.

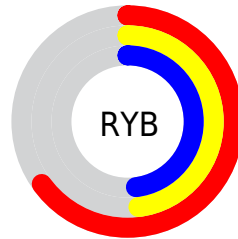
Distribution



Red (65%)

Green (48%)

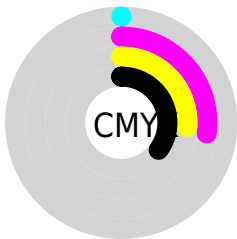
Blue (48%)



Red (65%)

Yellow (48%)

Blue (48%)

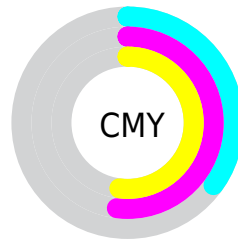


Cyan (0%)

Magenta (27%)

Yellow (26%)

Black (35%)



Cyan (35%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4561, 0.3668, 0.3276 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 23.4561, 0.3668, 0.3276 by changing the saturation by 10% instead.


 23.4561, 0.3668,
0.3276


 23.4561, 0.3668,
0.3276


270.0590, 0.3365,
0.3289


 14.9306, 0.3757,
0.3270


 49.1412, 0.3548,
0.3282

 8.7707, 0.3881,
0.3261


 67.0696, 0.3507,
0.3284

 4.5919, 0.4065,
0.3243

 88.9011, 0.3472,
0.3285

 2.0099, 0.4366,
0.3206

115.0201, 0.3443,
0.3286

 0.6132, 0.5452,
0.3290

145.8110, 0.3419,
0.3287

 0.0000, 0.0000,
0.0000

181.6582, 0.3398,

0.3288

222.9461, 0.3380,
0.3288

■ 23.4561, 0.3668,
0.3276

■ 23.4561, 0.3668,
0.3276

■ 19.3495, 0.3966,
0.3271

■ 28.3287, 0.3426,
0.3281

■ 15.9669, 0.4327,
0.3266

■ 33.9999, 0.3232,
0.3287

■ 13.2672, 0.4749,
0.3264


■ 40.5046, 0.3077,
0.3292


■ 11.2041, 0.5211,
0.3264


■ 47.8744, 0.2951,
0.3296


■ 9.7253, 0.5668,
0.3268


■ 56.1395, 0.2850,
0.3300

 8.7705, 0.6053,
0.3276

 65.3285, 0.2767,
0.3304

 8.2550, 0.6305,
0.3285

 75.4688, 0.2699,
0.3308

 8.1170, 0.6373,
0.3285

 86.5866, 0.2643,
0.3311

 86.8487, 0.2633,
0.3289

Harmonies

Analogous

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



23.4561, 0.3411, 0.3025



23.4561, 0.3668, 0.3276



23.4561, 0.3772, 0.3542

Triad

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



23.4561, 0.3668, 0.3276



23.4561, 0.3143, 0.3802



23.4561, 0.2584, 0.2808

Complementary

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



23.4561, 0.3668, 0.3276



34.1329, 0.2755, 0.3305

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.



23.4561, 0.2523, 0.2986



23.4561, 0.3668, 0.3276



23.4561, 0.2835, 0.3575

Square

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



23.4561, 0.3668, 0.3276



23.4561, 0.3458, 0.3867



23.4561, 0.2611, 0.3267



23.4561, 0.2784, 0.2760

Rectangle

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



23.4561, 0.3668, 0.3276



23.4561, 0.3738, 0.3699



23.4561, 0.2611, 0.3267



23.4561, 0.2547, 0.2853

Sweetspot

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



23.4572, 0.3668, 0.3276



59.9102, 0.3261, 0.3286



24.6233, 0.3141, 0.2642



13.0563, 0.3288, 0.3285



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.4572, 0.3668, 0.3276



37.8712, 0.3842, 0.3273



29.0208, 0.3602, 0.3605



7.5450, 0.3282, 0.3285



6.2939, 0.6369, 0.3282



0.1540, 0.6228, 0.3205

Inverse Universe

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



23.4572, 0.3668, 0.3276



37.8712, 0.3842, 0.3273



27.2872, 0.2717, 0.2952



7.5450, 0.3282, 0.3285



6.2939, 0.6369, 0.3282



0.1540, 0.6228, 0.3205

Previews

White Background



This preview shows how the Yxy color 23.4561, 0.3668, 0.3276 looks on a white background.

Color Contrast Check

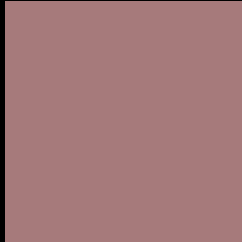
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4561, 0.3668, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

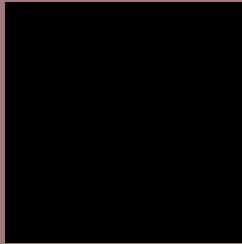
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4561, 0.3668, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 23.4561, 0.3668, 0.3276.



This preview shows how white text looks on a background with the Yxy color 23.4561, 0.3668, 0.3276.

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

23.4561, 0.3668, 0.3276

Protanopia

23.6784, 0.3216, 0.3359

Deuteranopia

23.5897, 0.3458, 0.3407



Tritanopia

23.5019, 0.3595, 0.3153

Trichromacy



Original Color

23.4561, 0.3668, 0.3276

Protanomaly

23.5287, 0.3376, 0.3324

Deuteranomaly

23.3948, 0.3541, 0.3356

Tritanomaly

23.4225, 0.3633, 0.3199

Monochromacy



Original Color

23.4561, 0.3668, 0.3276

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7149, 0.3304, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4561, 0.3668, 0.3276 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(166, 122, 123)` looks like.

```
.text, #text, p{  
    color:rgb(166, 122, 123)  
}
```

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(166, 122, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 122, 123) }
```

Border

The CSS property to change the border of an element to Yxy 23.4561, 0.3668, 0.3276 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(166, 122, 123) }
```

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

```
.border{ border-color:rgb(166, 122, 123) }
```

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

Here you see how a box with a 4 pixel rgb(166, 122, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 122, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 122, 123);  
box-shadow:4px 4px 4px 4px rgb(166, 122,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4561, 0.3668, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 122, 123) }
```

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

```
.background{ background-color: rgb(166,  
122, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor