

Converting Colors

$Yxy(23.3126, 0.4168, 0.3549)$

Have a look what the booklet for
Yxy(23.3126, 0.4168, 0.3549)
contains.

Yxy(23.3460, 0.4168, 0.3540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3460, 0.4168, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	B47564
RGB	180, 117, 100
RGB Percent	71%, 46%, 39%
CMY	0.2940, 0.5412, 0.6078
CMYK	0.00, 0.35, 0.44, 0.29
HSL	13°, 35%, 55%
HSV	13°, 44%, 71%
XYZ	27.4876, 23.3460, 15.1155
YIQ	133.8990, 43.0050, 8.0690

Conversions

Conversions Part 2

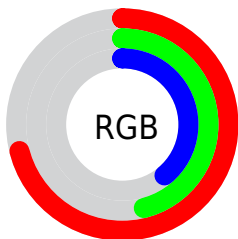
Format	Color
RYB	180, 122, 100
Decimal	11826532
CIELab	55.43, 22.78, 19.59
CIELCh	55, 30.043, 40.702
Yxy	23.3460, 0.4168, 0.3540
Android (android.graphics.Color)	4290016612 (0xFFB47564)
YUV	133.8990, -16.7122, 40.4306
Hunter-Lab	48.3177, 16.9915, 15.2743

Details

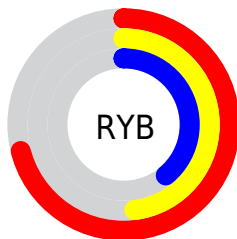
The Yxy color **23.3460, 0.4168, 0.3540** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.2117, 0.2490, 0.3016**, and the grayscale version is **23.8526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1610, 0.3938, 0.3506**, and **8.7513, 0.4579, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **19.9785, 0.4523, 0.3589**, and if you desaturate by 10%, it is **27.2933, 0.3859, 0.3484**.

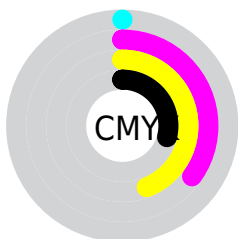
Distribution



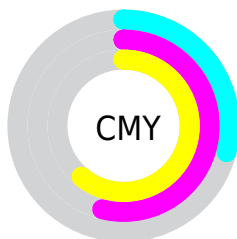
- Red (71%)
- Green (46%)
- Blue (39%)



- Red (71%)
- Yellow (48%)
- Blue (39%)



- Cyan (0%)
- Magenta (35%)
- Yellow (44%)
- Black (29%)




- Cyan (29%)
- Magenta (54%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3460, 0.4168, 0.3540 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 23.3460, 0.4168, 0.3540 by changing the saturation by 10% instead.


 23.3460, 0.4168,
0.3540


 23.3460, 0.4168,
0.3540


269.4972, 0.3583,
0.3423


 14.8492, 0.4337,
0.3563


 48.9608, 0.3939,
0.3501


 8.7136, 0.4569,
0.3585


 66.8477, 0.3858,
0.3485

 4.5549, 0.4904,
0.3599

 88.6333, 0.3791,
0.3471

 1.9885, 0.5487,
0.3621

 114.7021, 0.3736,
0.3459

 0.6008, 0.6589,
0.3411

145.4385, 0.3689,
0.3448

 0.0000, 1.0000,
0.0000

181.2269, 0.3649,

 0.0000, 0.0000,

0.3439

0.0000

222.4516, 0.3614,
0.3430

■ 23.3460, 0.4168,
0.3540

■ 23.3460, 0.4168,
0.3540

■ 19.9785, 0.4523,
0.3589

■ 27.2933, 0.3859,
0.3484

■ 17.1599, 0.4916,
0.3621

■ 31.8428, 0.3598,
0.3425

■ 14.8614, 0.5321,
0.3628


■ 37.0196, 0.3379,
0.3367

■ 13.0500, 0.5702,
0.3600


■ 42.8466, 0.3198,
0.3313

■ 11.6889, 0.6010,
0.3537

■ 49.3454, 0.3047,
0.3263

 11.1060, 0.6151,
0.3498

 56.5366, 0.2921,
0.3216

 64.4399, 0.2817,
0.3174

 73.0744, 0.2729,
0.3136

 81.9973, 0.2688,
0.3176

Harmonies

Analogous

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



23.3460, 0.3911, 0.3127



23.3460, 0.4168, 0.3540



23.3460, 0.4113, 0.3934

Triad

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



23.3460, 0.4168, 0.3540



23.3460, 0.2781, 0.3910



23.3460, 0.2460, 0.2452

Complementary

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



23.3460, 0.4168, 0.3540



32.2117, 0.2490, 0.3016

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.



23.3460, 0.2215, 0.2571



23.3460, 0.4168, 0.3540



23.3460, 0.2384, 0.3394

Square

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



23.3460, 0.4168, 0.3540



23.3460, 0.3293, 0.4220



23.3460, 0.2187, 0.2898



23.3460, 0.2892, 0.2528

Rectangle

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



23.3460, 0.4168, 0.3540



23.3460, 0.3917, 0.4136



23.3460, 0.2187, 0.2898



23.3460, 0.2355, 0.2469

Sweetspot

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



23.3472, 0.4168, 0.3540



68.3373, 0.3355, 0.3361



21.5023, 0.3370, 0.2408



14.2993, 0.3399, 0.3373



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.3472, 0.4168, 0.3540



36.5205, 0.4503, 0.3586



34.4082, 0.3913, 0.4077



8.7880, 0.3282, 0.3339



7.8315, 0.6131, 0.3514



0.3306, 0.5609, 0.3928

Inverse Universe

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



32.2117, 0.2490, 0.3016



54.5172, 0.2378, 0.2947



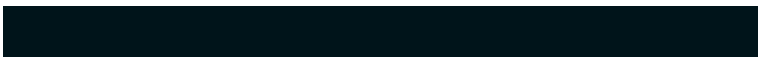
20.4238, 0.2375, 0.2343



9.3192, 0.2986, 0.3241



15.8575, 0.2056, 0.2603



0.5757, 0.2115, 0.2815

Previews

White Background



This preview shows how the Yxy color 23.3460, 0.4168, 0.3540 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 23.3460, 0.4168, 0.3540 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 23.3460, 0.4168, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 23.3460, 0.4168, 0.3540.



This preview shows how white text looks on a background with the Yxy color 23.3460, 0.4168, 0.3540.

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

23.3460, 0.4168, 0.3540

Protanopia

23.4993, 0.3507, 0.3741

Deuteranopia

23.4883, 0.3834, 0.3779



Tritanopia

23.3849, 0.3915, 0.3177

Trichromacy



Original Color

23.3460, 0.4168, 0.3540

Protanomaly

23.1468, 0.3743, 0.3670

Deuteranomaly

23.3155, 0.3947, 0.3684

Tritanomaly

23.3001, 0.4006, 0.3307

Monochromacy



Original Color

23.3460, 0.4168, 0.3540

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4228, 0.3473, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3460, 0.4168, 0.3540 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(180, 117, 100)` looks like.

```
.text, #text, p{  
    color:rgb(180, 117, 100)  
}
```

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(180, 117, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 117, 100) }
```

Border

The CSS property to change the border of an element to Yxy 23.3460, 0.4168, 0.3540 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(180, 117, 100) }
```

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

```
.border{ border-color:rgb(180, 117, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 117, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 117, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 117, 100);  
box-shadow:4px 4px 4px 4px rgb(180, 117,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3460, 0.4168, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 117, 100) }
```

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

```
.background{ background-color: rgb(180,  
117, 100) }
```

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