

Converting Colors

$Y_{xy}(23.4748, 0.3088, 0.2531)$

Have a look what the booklet for
Yxy(23.4748, 0.3088, 0.2531)
contains.

Yxy(23.6080, 0.3093, 0.2540)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.6080, 0.3093, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	A376A9
RGB	163, 118, 169
RGB Percent	64%, 46%, 66%
CMY	0.3607, 0.5373, 0.3372
CMYK	0.04, 0.30, 0.00, 0.34
HSL	293°, 23%, 56%
HSV	293°, 30%, 66%
XYZ	28.7479, 23.6080, 40.5890
YIQ	137.2690, 10.4490, 25.4010

Conversions

Conversions Part 2

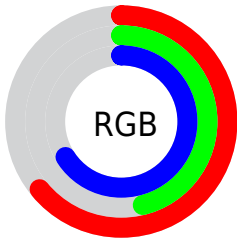
Format	Color
RYB	163, 118, 169
Decimal	10712745
CIELab	55.69, 26.61, -20.33
CIELCh	56, 33.485, 322.616
Yxy	23.6080, 0.3093, 0.2540
Android (android.graphics.Color)	4288902825 (0xFFA376A9)
YUV	137.2690, 15.6434, 22.5661
Hunter-Lab	48.5881, 20.5831, -15.5175

Details

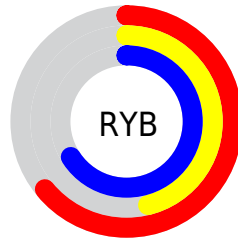
The Yxy color **23.6080, 0.3093, 0.2540** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.9780, 0.3140, 0.4139**, and the grayscale version is **25.0610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5677, 0.3113, 0.2696**, and **8.8556, 0.3054, 0.2298** is the 20% darker color. If you saturate the color by 10%, you get **19.7702, 0.3075, 0.2292**, and if you desaturate by 10%, it is **28.1644, 0.3107, 0.2793**.

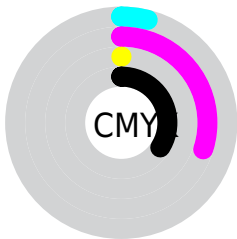
Distribution



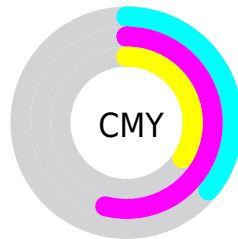
- Red (64%)
- Green (46%)
- Blue (66%)



- Red (64%)
- Yellow (46%)
- Blue (66%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)





- Cyan (36%)
- Magenta (54%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6080, 0.3093, 0.2540 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 23.6080, 0.3093, 0.2540 by changing the saturation by 10% instead.


 23.6080, 0.3093,
0.2540

 23.6080, 0.3093,
0.2540


270.8326, 0.3120,
0.2934


 15.0431, 0.3082,
0.2436


 49.3898, 0.3106,
0.2688

 8.8496, 0.3065,
0.2299


 67.3754, 0.3110,
0.2742

 4.6432, 0.3036,
0.2111


 89.2700, 0.3113,
0.2787

 2.0395, 0.2983,
0.1840

115.4581, 0.3115,
0.2825

 0.6303, 0.2885,
0.1380

146.3240, 0.3117,
0.2858

 0.0000, 0.1787,
0.0000

182.2522, 0.3118,

 0.0000, 0.0000,

0.2887

0.0000

223.6269, 0.3119,
0.2912

■ 23.6080, 0.3093,
0.2540

■ 23.6080, 0.3093,
0.2540

■ 19.7702, 0.3075,
0.2292

■ 28.1644, 0.3107,
0.2793

■ 16.6099, 0.3054,
0.2058

■ 33.4717, 0.3119,
0.3044

■ 14.0864, 0.3030,
0.1848


■ 39.5638, 0.3127,
0.3286

■ 12.1535, 0.3003,
0.1671


■ 46.4718, 0.3133,
0.3514

■ 10.7585, 0.2975,
0.1534

■ 54.2248, 0.3137,
0.3728


 9.8396, 0.2945,
0.1439

 62.8509, 0.3139,
0.3924

 9.2662, 0.2916,
0.1380

 72.3765, 0.3140,
0.4104

 82.8270, 0.3140,
0.4268

 84.2006, 0.3150,
0.4281

Harmonies

Analogous

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



23.6080, 0.2557, 0.2380



23.6080, 0.3093, 0.2540



23.6080, 0.3691, 0.2859

Triad

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



23.6080, 0.3093, 0.2540



23.6080, 0.4100, 0.4138



23.6080, 0.2193, 0.3166

Complementary

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



23.6080, 0.3093, 0.2540



33.9780, 0.3140, 0.4139

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.



23.6080, 0.2546, 0.3767



23.6080, 0.3093, 0.2540



23.6080, 0.3644, 0.4356

Square

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



23.6080, 0.3093, 0.2540



23.6080, 0.4299, 0.3736



23.6080, 0.3073, 0.4236



23.6080, 0.2078, 0.2682

Rectangle

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



23.6080, 0.3093, 0.2540



23.6080, 0.4026, 0.3133



23.6080, 0.3073, 0.4236



23.6080, 0.2286, 0.3363

Sweetspot

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



23.6090, 0.3093, 0.2540



60.9847, 0.3120, 0.3069



21.3328, 0.2619, 0.2546



12.9793, 0.3118, 0.3035



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.



23.6090, 0.3093, 0.2540



37.6916, 0.3082, 0.2379



23.6053, 0.3377, 0.2809



7.6211, 0.3119, 0.3066



6.9191, 0.2919, 0.1382



0.1805, 0.3021, 0.1438

Inverse Universe

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



22.8485, 0.3708, 0.3199



36.1566, 0.3888, 0.3179



34.0336, 0.2941, 0.3827



7.5561, 0.3268, 0.3264



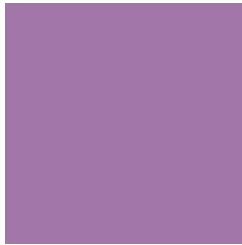
6.3284, 0.6228, 0.3205



0.1582, 0.5621, 0.2870

Previews

White Background



This preview shows how the Yxy color 23.6080, 0.3093, 0.2540 looks on a white background.

Color Contrast Check

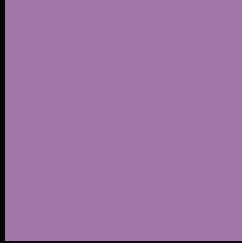
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6080, 0.3093, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

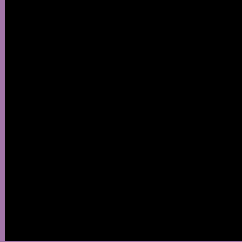
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6080, 0.3093, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 23.6080, 0.3093, 0.2540.



This preview shows how white text looks on a background with the Yxy color 23.6080, 0.3093, 0.2540.

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

23.6080, 0.3093, 0.2540

Protanopia

23.7503, 0.2572, 0.2531

Deuteranopia

23.7684, 0.2763, 0.2703



Tritanopia

23.6576, 0.3424, 0.3148

Trichromacy



Original Color

23.6080, 0.3093, 0.2540

Protanomaly

23.5081, 0.2748, 0.2535

Deuteranomaly

23.4996, 0.2873, 0.2628

Tritanomaly

23.4992, 0.3301, 0.2903

Monochromacy



Original Color

23.6080, 0.3093, 0.2540

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.2462, 0.3108, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6080, 0.3093, 0.2540 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(163, 118, 169)` looks like.

```
.text, #text, p{  
    color:rgb(163, 118, 169)  
}
```

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(163, 118, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 118, 169) }
```

Border

The CSS property to change the border of an element to Yxy 23.6080, 0.3093, 0.2540 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(163, 118, 169) }
```

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

```
.border{ border-color:rgb(163, 118, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 118, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 118, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 118, 169);  
box-shadow:4px 4px 4px 4px rgb(163, 118,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6080, 0.3093, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 118, 169) }
```

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

```
.background{ background-color: rgb(163,  
118, 169) }
```

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