

Converting Colors

$Y_{xy}(23.3194, 0.3388, 0.2542)$

Have a look what the booklet for
Yxy(23.3194, 0.3388, 0.2542)
contains.

| | |
|--|----|
| Yxy(23.4054, 0.3382, 0.2542) | 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(23.4054, 0.3382, 0.2542)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B56DA3 |
| RGB | 181, 109, 163 |
| RGB Percent | 71%, 43%, 64% |
| CMY | 0.2901, 0.5726, 0.3608 |
| CMYK | 0.00, 0.40, 0.10, 0.29 |
| HSL | 315°, 33%, 57% |
| HSV | 315°, 40%, 71% |
| XYZ | 31.1397, 23.4054, 37.5297 |
| YIQ | 136.6840, 25.5780, 32.0580 |

Conversions

Conversions Part 2

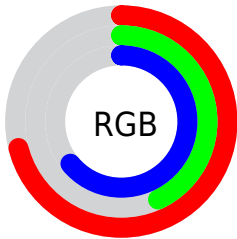
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 181, 109, 163 |
| Decimal | 11890083 |
| CIE _{Lab} | 55.49, 36.55, -16.97 |
| CIE _{LCh} | 55, 40.303, 335.092 |
| Yxy | 23.4054, 0.3382, 0.2542 |
| Android (android.graphics.Color) | 4290080163 (0xFFB56DA3) |
| YUV | 136.6840, 12.9738, 38.8651 |
| Hunter-Lab | 48.3791, 30.2297, -12.1283 |

Details

The Yxy color **23.4054, 0.3382, 0.2542** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.8398, 0.2947, 0.4182**, and the grayscale version is **24.8343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0798, 0.3333, 0.2689**, and **8.7877, 0.3469, 0.2312** is the 20% darker color. If you saturate the color by 10%, you get **19.7748, 0.3468, 0.2364**, and if you desaturate by 10%, it is **27.8392, 0.3305, 0.2731**.

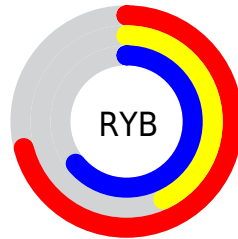
Distribution



Red (71%)

Green (43%)

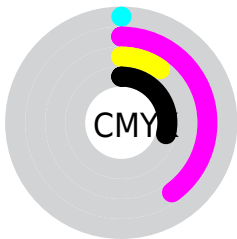
Blue (64%)



Red (71%)

Yellow (43%)

Blue (64%)

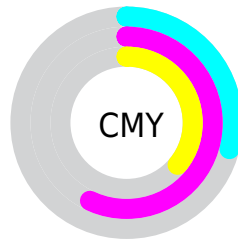


Cyan (0%)

Magenta (40%)

Yellow (10%)

Black (29%)



Cyan (29%)


Magenta (57%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4054, 0.3382, 0.2542 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 23.4054, 0.3382, 0.2542 by changing the saturation by 10% instead.


 23.4054, 0.3382,
0.2542


 23.4054, 0.3382,
0.2542


269.8004, 0.3251,
0.2934

 14.8931, 0.3415,
0.2439


 49.0581, 0.3334,
0.2688


 8.7444, 0.3458,
0.2303


 66.9674, 0.3316,
0.2742

 4.5749, 0.3516,
0.2117


 88.7778, 0.3301,
0.2787

 2.0000, 0.3595,
0.1850

 114.8737, 0.3288,
0.2825

 0.6075, 0.3731,
0.1383

145.6395, 0.3277,
0.2858

 0.0000, 0.3938,
0.0000

181.4597, 0.3267,

 0.0000, 0.0000,

0.2887

0.0000

222.7185, 0.3259,
0.2912

■ 23.4054, 0.3382,
0.2542

■ 23.4054, 0.3382,
0.2542

■ 19.7748, 0.3468,
0.2364

■ 27.8392, 0.3305,
0.2731

■ 16.8951, 0.3562,
0.2208

■ 33.1181, 0.3236,
0.2923

■ 14.7125, 0.3661,
0.2082

■ 39.2848, 0.3177,
0.3112


■ 13.1649, 0.3762,
0.1996


■ 46.3782, 0.3126,
0.3294


■ 12.1791, 0.3862,
0.1956

■ 54.4349, 0.3083,
0.3466

 11.6077, 0.3960,
0.1956

 63.4896, 0.3047,
0.3626

 11.5968, 0.3962,
0.1956

 73.5752, 0.3016,
0.3775

 84.7230, 0.2991,
0.3911

 85.6942, 0.2967,
0.3870

Harmonies

Analogous

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



23.4054, 0.2686, 0.2273



23.4054, 0.3382, 0.2542



23.4054, 0.4074, 0.2968

Triad

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



23.4054, 0.3382, 0.2542



23.4054, 0.4076, 0.4441



23.4054, 0.1932, 0.2855

Complementary

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



23.4054, 0.3382, 0.2542



37.8398, 0.2947, 0.4182

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.



23.4054, 0.2224, 0.3557



23.4054, 0.3382, 0.2542



23.4054, 0.3449, 0.4588

Square

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



23.4054, 0.3382, 0.2542



23.4054, 0.4474, 0.4007



23.4054, 0.2771, 0.4257



23.4054, 0.1921, 0.2395

Rectangle

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



23.4054, 0.3382, 0.2542



23.4054, 0.4395, 0.3305



23.4054, 0.2771, 0.4257



23.4054, 0.1998, 0.3069

Sweetspot

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



23.4065, 0.3382, 0.2542



67.5298, 0.3190, 0.3067



18.7845, 0.2578, 0.2147



14.2830, 0.3198, 0.3043



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.



23.4065, 0.3382, 0.2542



35.9887, 0.3459, 0.2381



22.2942, 0.3856, 0.3032



8.6097, 0.3174, 0.3121



8.0040, 0.3950, 0.1950



0.2605, 0.3704, 0.1814

Inverse Universe

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



23.4065, 0.3382, 0.2542



35.9887, 0.3459, 0.2381



38.9522, 0.2701, 0.3573



8.6097, 0.3174, 0.3121



8.0040, 0.3950, 0.1950



0.2605, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 23.4054, 0.3382, 0.2542 looks on a white background.

Color Contrast Check

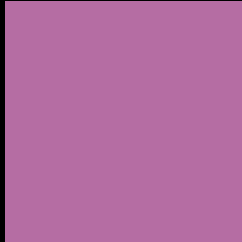
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4054, 0.3382, 0.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

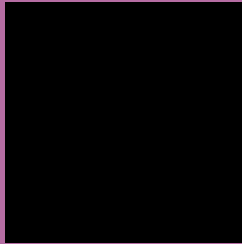
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4054, 0.3382, 0.2542

Background



This preview shows how black text looks on a background with the Yxy color 23.4054, 0.3382, 0.2542.



This preview shows how white text looks on a background with the Yxy color 23.4054, 0.3382, 0.2542.

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

23.4054, 0.3382, 0.2542

Protanopia

23.7503, 0.2572, 0.2531

Deuteranopia

23.5368, 0.2877, 0.2813



Tritanopia

23.5504, 0.3799, 0.3174

Trichromacy



Original Color

23.4054, 0.3382, 0.2542

Protanomaly

23.1832, 0.2824, 0.2527

Deuteranomaly

23.0364, 0.3051, 0.2696

Tritanomaly

23.3637, 0.3638, 0.2928

Monochromacy



Original Color

23.4054, 0.3382, 0.2542

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.0264, 0.3223, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4054, 0.3382, 0.2542 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(181, 109, 163)` looks like.

```
.text, #text, p{  
    color:rgb(181, 109, 163)  
}
```

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(181, 109, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 109, 163) }
```

Border

The CSS property to change the border of an element to Yxy 23.4054, 0.3382, 0.2542 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(181, 109, 163) }
```

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

```
.border{ border-color:rgb(181, 109, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 109, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 109, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 109, 163);  
box-shadow:4px 4px 4px 4px rgb(181, 109,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4054, 0.3382, 0.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 109, 163) }
```

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

```
.background{ background-color: rgb(181,  
109, 163) }
```

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