

Converting Colors

$Y_{xy}(23.5406, 0.3444, 0.3042)$

Have a look what the booklet for
Yxy(23.5406, 0.3444, 0.3042)
contains.

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Color

Yxy(23.5406, 0.3444, 0.3042)

Conversions

Conversions Part 1

Format	Color
Hex	A37A8A
RGB	163, 122, 138
RGB Percent	64%, 48%, 54%
CMY	0.3608, 0.5216, 0.4587
CMYK	0.00, 0.25, 0.15, 0.36
HSL	337°, 18%, 56%
HSV	337°, 25%, 64%
XYZ	26.6515, 23.5406, 27.1932
YIQ	136.0830, 19.3000, 13.6680

Conversions

Conversions Part 2

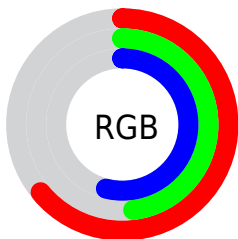
Format	Color
R_{YB}	163, 122, 138
Decimal	10713738
CIE Lab	55.62, 18.54, -2.46
CIE LCh	56, 18.698, 352.445
Yxy	23.5406, 0.3444, 0.3042
Android (android.graphics.Color)	4288903818 (0xFFA37A8A)
YUV	136.0830, 0.9451, 23.6062
Hunter-Lab	48.5187, 13.1431, 0.7329

Details

The Yxy color $23.5406, 0.3444, 0.3042$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $32.4354, 0.2891, 0.3553$, and the grayscale version is $24.6451, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.3270, 0.3375, 0.3103$, and $8.8492, 0.3575, 0.2957$ is the 20% darker color. If you saturate the color by 10%, you get $19.5943, 0.3618, 0.2938$, and if you desaturate by 10%, it is $28.1867, 0.3299, 0.3144$.

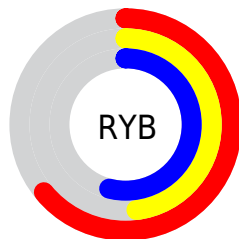
Distribution



Red (64%)

Green (48%)

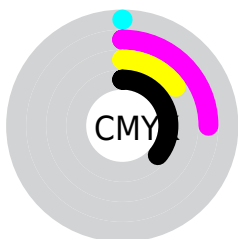
Blue (54%)



Red (64%)

Yellow (48%)

Blue (54%)

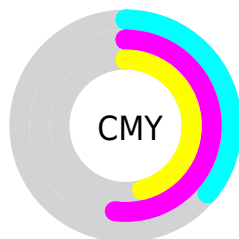


Cyan (0%)

Magenta (25%)

Yellow (15%)

Black (36%)



Cyan (36%)

Magenta (52%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5406, 0.3444, 0.3042 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 23.5406, 0.3444, 0.3042 by changing the saturation by 10% instead.


 23.5406, 0.3444,
0.3042


 23.5406, 0.3444,
0.3042


270.4896, 0.3269,
0.3178


 14.9932, 0.3495,
0.3003


 49.2795, 0.3376,
0.3095

 8.8146, 0.3564,
0.2950

 67.2397, 0.3351,
0.3114

 4.6205, 0.3667,
0.2873

 89.1064, 0.3331,
0.3129

 2.0263, 0.3832,
0.2750

115.2639, 0.3315,
0.3142

 0.6227, 0.4188,
0.2458

146.0965, 0.3301,
0.3153

 0.0000, 0.0000,
0.0000

181.9888, 0.3288,

0.3163

223.3250, 0.3278,
0.3171

■ 23.5406, 0.3444,
0.3042

■ 23.5406, 0.3444,
0.3042

■ 19.5943, 0.3618,
0.2938

■ 28.1867, 0.3299,
0.3144

■ 16.3103, 0.3825,
0.2838

■ 33.5611, 0.3180,
0.3242

■ 13.6527, 0.4068,
0.2748


■ 39.6948, 0.3082,
0.3334


■ 11.5808, 0.4343,
0.2679


■ 46.6159, 0.3001,
0.3418

■ 10.0488, 0.4643,
0.2642


■ 54.3512, 0.2935,
0.3496

 9.0043, 0.4952,
0.2650

 62.9260, 0.2880,
0.3568

 8.3813, 0.5251,
0.2709

 72.3647, 0.2834,
0.3633

 8.1526, 0.5392,
0.2744

 82.6907, 0.2797,
0.3693

 84.8729, 0.2750,
0.3603

Harmonies

Analogous

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



23.5406, 0.3114, 0.2847



23.5406, 0.3444, 0.3042



23.5406, 0.3694, 0.3300

Triad

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



23.5406, 0.3444, 0.3042



23.5406, 0.3436, 0.3878



23.5406, 0.2513, 0.2960

Complementary

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



23.5406, 0.3444, 0.3042



32.4354, 0.2891, 0.3553

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.



23.5406, 0.2589, 0.3238



23.5406, 0.3444, 0.3042



23.5406, 0.3113, 0.3796

Square

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



23.5406, 0.3444, 0.3042



23.5406, 0.3684, 0.3785



23.5406, 0.2805, 0.3553



23.5406, 0.2589, 0.2790

Rectangle

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



23.5406, 0.3444, 0.3042



23.5406, 0.3774, 0.3482



23.5406, 0.2805, 0.3553



23.5406, 0.2521, 0.3043

Sweetspot

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



23.5417, 0.3444, 0.3042



57.0819, 0.3213, 0.3213



22.7302, 0.2970, 0.2645



12.5004, 0.3230, 0.3199



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.5417, 0.3444, 0.3042



38.1896, 0.3534, 0.2986



24.1392, 0.3627, 0.3356



7.1297, 0.3226, 0.3202



6.3451, 0.5369, 0.2731



0.1424, 0.4450, 0.2225

Inverse Universe

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



23.5417, 0.3444, 0.3042



38.1896, 0.3534, 0.2986



31.5418, 0.2760, 0.3223



7.1297, 0.3226, 0.3202



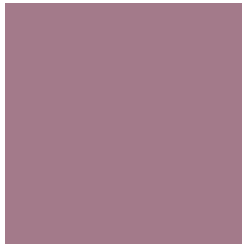
6.3451, 0.5369, 0.2731



0.1424, 0.4450, 0.2225

Previews

White Background



This preview shows how the Yxy color 23.5406, 0.3444, 0.3042 looks on a white background.

Color Contrast Check

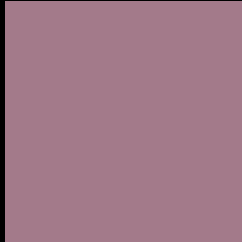
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5406, 0.3444, 0.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

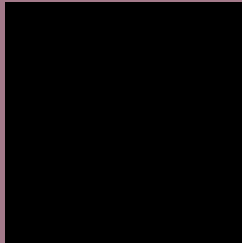
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5406, 0.3444, 0.3042

Background



This preview shows how black text looks on a background with the Yxy color 23.5406, 0.3444, 0.3042.



This preview shows how white text looks on a background with the Yxy color 23.5406, 0.3444, 0.3042.

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

23.5406, 0.3444, 0.3042

Protanopia

23.7752, 0.3014, 0.3103

Deuteranopia

23.5264, 0.3227, 0.3157



Tritanopia

23.5132, 0.3503, 0.3150

Trichromacy



Original Color

23.5406, 0.3444, 0.3042

Protanomaly

23.5828, 0.3160, 0.3075

Deuteranomaly

23.4033, 0.3315, 0.3112

Tritanomaly

23.5685, 0.3478, 0.3119

Monochromacy



Original Color

23.5406, 0.3444, 0.3042

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.1497, 0.3236, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5406, 0.3444, 0.3042 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, 122, 138)` looks like.

```
.text, #text, p{  
    color:rgb(163, 122, 138)  
}
```

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, 122, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 122, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.5406, 0.3444, 0.3042 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, 122, 138) }
```

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

```
.border{ border-color:rgb(163, 122, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 122, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 122, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 122, 138);  
box-shadow:4px 4px 4px 4px rgb(163, 122,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5406, 0.3444, 0.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 122, 138) }
```

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

```
.background{ background-color: rgb(163,  
122, 138) }
```

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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