

Converting Colors

$Y_{xy}(24.9522, 0.3413, 0.3097)$

Have a look what the booklet for
Yxy(24.9522, 0.3413, 0.3097)
contains.

Yxy(24.8587, 0.3409, 0.3090)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8587, 0.3409, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	A37F8C
RGB	163, 127, 140
RGB Percent	64%, 50%, 55%
CMY	0.3608, 0.5019, 0.4510
CMYK	0.00, 0.22, 0.14, 0.36
HSL	338°, 16%, 57%
HSV	338°, 22%, 64%
XYZ	27.4250, 24.8587, 28.1651
YIQ	139.2460, 17.2830, 11.6750

Conversions

Conversions Part 2

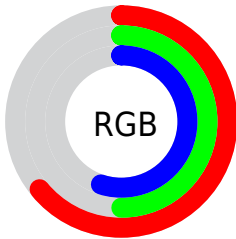
Format	Color
R_{YB}	163, 127, 140
Decimal	10715020
CIE _{Lab}	56.94, 16.01, -1.68
CIE _{LCh}	57, 16.102, 354.017
Yxy	24.8587, 0.3409, 0.3090
Android (android.graphics.Color)	4288905100 (0xFFA37F8C)
YUV	139.2460, 0.3717, 20.8323
Hunter-Lab	49.8585, 10.9328, 1.4079

Details

The Yxy color $24.8587, 0.3409, 0.3090$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $32.9034, 0.2909, 0.3500$, and the grayscale version is $25.9122, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.3982, 0.3350, 0.3139$, and $9.5665, 0.3518, 0.3025$ is the 20% darker color. If you saturate the color by 10%, you get $20.6917, 0.3582, 0.2994$, and if you desaturate by 10%, it is $29.7380, 0.3266, 0.3184$.

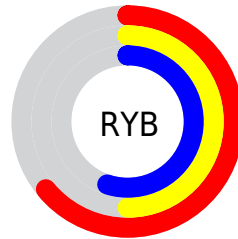
Distribution



Red (64%)

Green (50%)

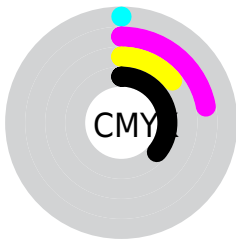
Blue (55%)



Red (64%)

Yellow (50%)

Blue (55%)

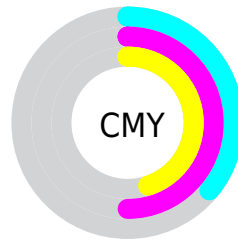


Cyan (0%)

Magenta (22%)

Yellow (14%)

Black (36%)



Cyan (36%)

Magenta (50%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8587, 0.3409, 0.3090 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 24.8587, 0.3409, 0.3090 by changing the saturation by 10% instead.


 24.8587, 0.3409,
0.3090


 24.8587, 0.3409,
0.3090


277.1335, 0.3254,
0.3200


 15.9718, 0.3453,
0.3059


 51.4279, 0.3349,
0.3132

 9.5042, 0.3514,
0.3017


 69.8790, 0.3327,
0.3147

 5.0715, 0.3603,
0.2955

 92.2870, 0.3310,
0.3160

 2.2893, 0.3744,
0.2859

119.0362, 0.3295,
0.3170

 0.7680, 0.4011,
0.2672

150.5111, 0.3282,
0.3179

 0.0000, 1.0000,
0.0000

187.0960, 0.3272,

 0.0000, 0.0000,

0.3187

0.0000

229.1753, 0.3262,
0.3194

■ 24.8587, 0.3409,
0.3090

■ 24.8587, 0.3409,
0.3090

■ 20.6917, 0.3582,
0.2994

■ 29.7380, 0.3266,
0.3184

■ 17.2003, 0.3789,
0.2899

■ 35.3575, 0.3149,
0.3272

■ 14.3492, 0.4034,
0.2813


■ 41.7478, 0.3052,
0.3355


■ 12.0988, 0.4315,
0.2743

■ 48.9367, 0.2973,
0.3431

■ 10.4052, 0.4626,
0.2702


■ 56.9504, 0.2908,
0.3501

 9.2179, 0.4953,
0.2701

 65.8143, 0.2854,
0.3565

 8.4775, 0.5271,
0.2748

 75.5524, 0.2810,
0.3624

 8.0993, 0.5510,
0.2809

 84.6485, 0.2770,
0.3651

 85.2285, 0.2719,
0.3529

Harmonies

Analogous

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



24.8587, 0.3133, 0.2918



24.8587, 0.3409, 0.3090



24.8587, 0.3613, 0.3314

Triad

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



24.8587, 0.3409, 0.3090



24.8587, 0.3377, 0.3785



24.8587, 0.2604, 0.3002

Complementary

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



24.8587, 0.3409, 0.3090



32.9034, 0.2909, 0.3500

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.



24.8587, 0.2663, 0.3235



24.8587, 0.3409, 0.3090



24.8587, 0.3102, 0.3706

Square

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



24.8587, 0.3409, 0.3090



24.8587, 0.3591, 0.3718



24.8587, 0.2843, 0.3499



24.8587, 0.2676, 0.2861

Rectangle

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



24.8587, 0.3409, 0.3090



24.8587, 0.3675, 0.3469



24.8587, 0.2843, 0.3499



24.8587, 0.2609, 0.3072

Sweetspot

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



24.8598, 0.3409, 0.3090



58.0756, 0.3205, 0.3228



24.2896, 0.3006, 0.2731



12.9192, 0.3212, 0.3223



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.



24.8598, 0.3409, 0.3090



41.0853, 0.3481, 0.3048



25.7676, 0.3548, 0.3366



7.1263, 0.3231, 0.3209



6.3041, 0.5486, 0.2796



0.1413, 0.4542, 0.2276

Inverse Universe

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



24.8598, 0.3409, 0.3090



41.0853, 0.3481, 0.3048



31.6745, 0.2802, 0.3212



7.1263, 0.3231, 0.3209



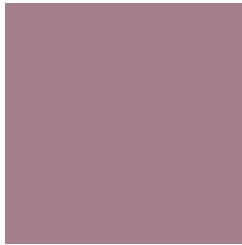
6.3041, 0.5486, 0.2796



0.1413, 0.4542, 0.2276

Previews

White Background



This preview shows how the Yxy color 24.8587, 0.3409, 0.3090 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 24.8587, 0.3409, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

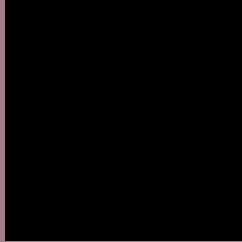
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8587, 0.3409, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 24.8587, 0.3409, 0.3090.



This preview shows how white text looks on a background with the Yxy color 24.8587, 0.3409, 0.3090.

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

24.8587, 0.3409, 0.3090

Protanopia

24.9710, 0.3047, 0.3140

Deuteranopia

25.0287, 0.3246, 0.3193



Tritanopia

24.7714, 0.3444, 0.3136

Trichromacy



Original Color

24.8587, 0.3409, 0.3090

Protanomaly

24.8692, 0.3169, 0.3127

Deuteranomaly

24.9667, 0.3307, 0.3163

Tritanomaly

24.8003, 0.3433, 0.3121

Monochromacy



Original Color

24.8587, 0.3409, 0.3090

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.4879, 0.3232, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8587, 0.3409, 0.3090 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, 127, 140)` looks like.

```
.text, #text, p{  
    color:rgb(163, 127, 140)  
}
```

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, 127, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 127, 140) }
```

Border

The CSS property to change the border of an element to Yxy 24.8587, 0.3409, 0.3090 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, 127, 140) }
```

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

```
.border{ border-color:rgb(163, 127, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 127, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 127, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 127, 140);  
box-shadow:4px 4px 4px 4px rgb(163, 127,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8587, 0.3409, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 127, 140) }
```

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

```
.background{ background-color: rgb(163,  
127, 140) }
```

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