

Converting Colors

$Y_{xy}(24.0450, 0.4033, 0.3876)$

Have a look what the booklet for
Yxy(24.0450, 0.4033, 0.3876)
contains.

Yxy(23.9163, 0.4035, 0.3867)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9163, 0.4035, 0.3867)

Conversions

Conversions Part 1

Format	Color
Hex	A57F5A
RGB	165, 127, 90
RGB Percent	65%, 50%, 35%
CMY	0.3529, 0.5020, 0.6470
CMYK	0.00, 0.23, 0.45, 0.35
HSL	30°, 29%, 50%
HSV	30°, 45%, 65%
XYZ	24.9553, 23.9163, 12.9755
YIQ	134.1440, 34.5250, -3.4510

Conversions

Conversions Part 2

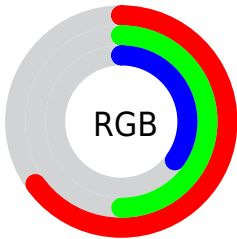
Format	Color
R_{YB}	165, 163, 90
Decimal	10846042
CIE Lab	56.00, 9.81, 25.72
CIE LCh	56, 27.530, 69.132
Yxy	23.9163, 0.4035, 0.3867
Android (android.graphics.Color)	4289036122 (0xFFA57F5A)
YUV	134.1440, -21.7630, 27.0607
Hunter-Lab	48.9043, 5.5041, 18.5019

Details

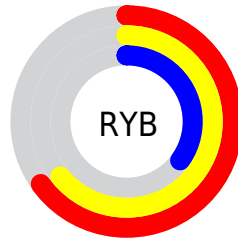
The Yxy color **23.9163, 0.4035, 0.3867** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.3386, 0.2414, 0.2620**, and the grayscale version is **23.9692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0952, 0.3839, 0.3752**, and **9.0027, 0.4371, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **21.5951, 0.4296, 0.3983**, and if you desaturate by 10%, it is **26.4816, 0.3793, 0.3739**.

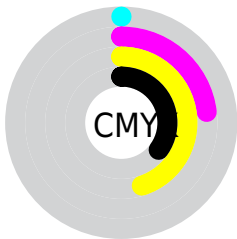
Distribution



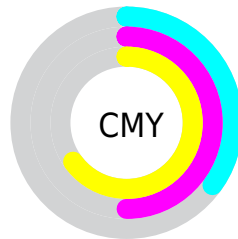
- Red (65%)
- Green (50%)
- Blue (35%)



- Red (65%)
- Yellow (64%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (45%)
- Black (35%)





- Cyan (35%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9163, 0.4035, 0.3867 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 23.9163, 0.4035, 0.3867 by changing the saturation by 10% instead.


 23.9163, 0.4035,
0.3867


 23.9163, 0.4035,
0.3867


272.3970, 0.3532,
0.3564


 15.2715, 0.4176,
0.3944


 49.8936, 0.3840,
0.3755

 9.0102, 0.4366,
0.4039


 67.9949, 0.3771,
0.3713

 4.7478, 0.4629,
0.4157

 90.0172, 0.3713,
0.3678

 2.1001, 0.5237,
0.4484

 116.3448, 0.3665,
0.3648

 0.6647, 0.5673,
0.4327

 147.3623, 0.3625,
0.3623

 0.0000, 0.0000,
0.0000

183.4538, 0.3589,

0.3601

225.0040, 0.3559,
0.3581

■ 23.9163, 0.4035,
0.3867

■ 23.9163, 0.4035,
0.3867

■ 21.5951, 0.4296,
0.3983

■ 26.4816, 0.3793,
0.3739

■ 19.5061, 0.4569,
0.4076

■ 29.2955, 0.3575,
0.3608

■ 17.6412, 0.4841,
0.4135

■ 32.3668, 0.3382,
0.3479

■ 15.9904, 0.5096,
0.4148

■ 35.7025, 0.3211,
0.3355

■ 14.5417, 0.5318,
0.4108

■ 39.3096, 0.3062,
0.3238

■ 13.9413, 0.5415,
0.4083

■ 43.1947, 0.2932,
0.3130

■ 47.3639, 0.2819,
0.3030

■ 51.8235, 0.2720,
0.2938

■ 56.5793, 0.2634,
0.2854

Harmonies

Analogous

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



23.9163, 0.4067, 0.3505



23.9163, 0.4035, 0.3867



23.9163, 0.3749, 0.4116

Triad

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



23.9163, 0.4035, 0.3867



23.9163, 0.2464, 0.3413



23.9163, 0.2890, 0.2583

Complementary

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



23.9163, 0.4035, 0.3867



20.3386, 0.2414, 0.2620

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.



23.9163, 0.2501, 0.2523



23.9163, 0.4035, 0.3867



23.9163, 0.2270, 0.2958

Square

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



23.9163, 0.4035, 0.3867



23.9163, 0.2838, 0.3870



23.9163, 0.2284, 0.2646



23.9163, 0.3376, 0.2797

Rectangle

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



23.9163, 0.4035, 0.3867



23.9163, 0.3464, 0.4161



23.9163, 0.2284, 0.2646



23.9163, 0.2745, 0.2544

Sweetspot

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



23.9174, 0.4035, 0.3867



58.6420, 0.3360, 0.3464



16.8941, 0.3685, 0.2692



12.5626, 0.3397, 0.3490



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.



23.9174, 0.4035, 0.3867



38.4479, 0.4311, 0.3989



35.2086, 0.3794, 0.4365



7.6357, 0.3273, 0.3401



10.6437, 0.5399, 0.4095



0.3182, 0.4862, 0.4521

Inverse Universe

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



20.3386, 0.2414, 0.2620



31.1872, 0.2254, 0.2429



12.4180, 0.2293, 0.1928



7.4256, 0.2987, 0.3176



6.9102, 0.1787, 0.1632



0.2396, 0.1969, 0.2289

Previews

White Background



This preview shows how the Yxy color 23.9163, 0.4035, 0.3867 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 23.9163, 0.4035, 0.3867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

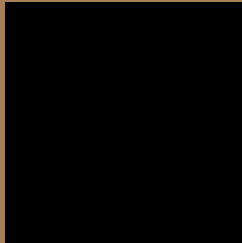
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9163, 0.4035, 0.3867

Background



This preview shows how black text looks on a background with the Yxy color 23.9163, 0.4035, 0.3867.



This preview shows how white text looks on a background with the Yxy color 23.9163, 0.4035, 0.3867.

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

23.9163, 0.4035, 0.3867

Protanopia

23.8603, 0.3707, 0.3988

Deuteranopia

24.0158, 0.3971, 0.3909



Tritanopia

23.9928, 0.3604, 0.3154

Trichromacy



Original Color

23.9163, 0.4035, 0.3867

Protanomaly

23.6807, 0.3823, 0.3936

Deuteranomaly

23.8579, 0.3990, 0.3891

Tritanomaly

24.0011, 0.3772, 0.3416

Monochromacy



Original Color

23.9163, 0.4035, 0.3867

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.5603, 0.3437, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9163, 0.4035, 0.3867 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(165, 127, 90)` looks like.

```
.text, #text, p{  
    color:rgb(165, 127, 90)  
}
```

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(165, 127, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 127, 90) }
```

Border

The CSS property to change the border of an element to Yxy 23.9163, 0.4035, 0.3867 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(165, 127, 90) }
```

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

```
.border{ border-color:rgb(165, 127, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 127, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 127, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 127, 90);  
box-shadow:4px 4px 4px 4px rgb(165, 127,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9163, 0.4035, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 127, 90) }
```

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

```
.background{ background-color: rgb(165,  
127, 90) }
```

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