

Converting Colors

$Y_{xy}(24.9850, 0.4184, 0.4835)$

Have a look what the booklet for
Yxy(24.9850, 0.4184, 0.4835)
contains.

Yxy(25.0635, 0.4184, 0.4839)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.0635, 0.4184, 0.4839)$

Conversions

Conversions Part 1

Format	Color
Hex	938C20
RGB	147, 140, 32
RGB Percent	58%, 55%, 13%
CMY	0.4235, 0.4510, 0.8746
CMYK	0.00, 0.05, 0.78, 0.42
HSL	56°, 64%, 35%
HSV	56°, 78%, 58%
XYZ	21.6709, 25.0635, 5.0604
YIQ	129.7810, 38.8400, -32.1040

Conversions

Conversions Part 2

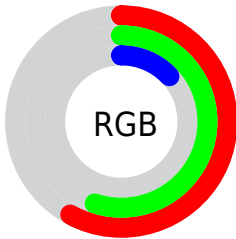
Format	Color
RYB	39, 147, 32
Decimal	9669664
CIELab	57.14, -9.79, 54.19
CIELCh	57, 55.069, 100.240
Yxy	25.0635, 0.4184, 0.4839
Android (android.graphics.Color)	4287859744 (0xFF938C20)
YUV	129.7810, -48.2060, 15.1011
Hunter-Lab	50.0635, -10.3439, 29.0515

Details

The Yxy color **25.0635, 0.4184, 0.4839** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.8626, 0.1713, 0.1005**, and the grayscale version is **22.4048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6492, 0.4016, 0.4544**, and **9.6395, 0.4247, 0.5010** is the 20% darker color. If you saturate the color by 10%, you get **24.7417, 0.4250, 0.4917**, and if you desaturate by 10%, it is **25.4254, 0.4093, 0.4719**.

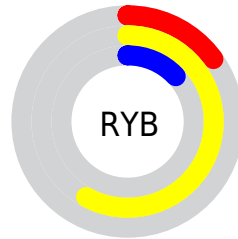
Distribution



Red (58%)

Green (55%)

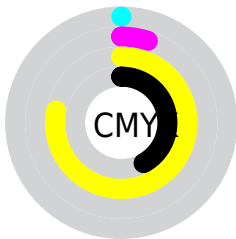
Blue (13%)



Red (15%)

Yellow (58%)

Blue (13%)

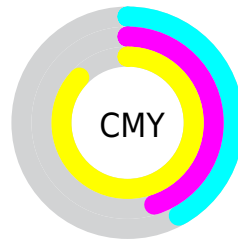


Cyan (0%)

Magenta (5%)

Yellow (78%)

Black (42%)



Cyan (42%)


Magenta (45%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0635, 0.4184, 0.4839 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 25.0635, 0.4184, 0.4839 by changing the saturation by 10% instead.


 25.0635, 0.4184,
0.4839


 25.0635, 0.4184,
0.4839


278.1540, 0.3668,
0.4025


 16.1244, 0.4280,
0.5027


 51.7602, 0.4013,
0.4547

 9.6122, 0.4376,
0.5249


 70.2866, 0.3943,
0.4435


 5.1426, 0.4469,
0.5531

 92.7775, 0.3881,
0.4339

 2.3312, 0.4344,
0.5656

 119.6174, 0.3827,
0.4258

 0.7901, 0.3932,
0.6068

 151.1906, 0.3780,
0.4188

 0.0000, 0.0000,
0.0000

 187.8815, 0.3738,

0.4126

230.0745, 0.3701,
0.4073

■ 25.0635, 0.4184,
0.4839

■ 25.0635, 0.4184,
0.4839

■ 24.7417, 0.4250,
0.4917

■ 25.4254, 0.4093,
0.4719

■ 24.4480, 0.4294,
0.4960

■ 25.8282, 0.3978,
0.4562

■ 24.3972, 0.4301,
0.4967

■ 26.2766, 0.3846,
0.4372

■ 26.7739, 0.3701,
0.4160

■ 27.3230, 0.3550,
0.3935

■ 27.9265, 0.3397,
0.3703

■ 28.5871, 0.3247,
0.3474

■ 29.3069, 0.3102,
0.3252

■ 30.0883, 0.2966,
0.3040

Harmonies

Analogous

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



25.0635, 0.4801, 0.4253



25.0635, 0.4184, 0.4839



25.0635, 0.3341, 0.5035

Triad

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



25.0635, 0.4184, 0.4839



25.0635, 0.1581, 0.2555



25.0635, 0.3619, 0.2412

Complementary

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



25.0635, 0.4184, 0.4839



3.8626, 0.1713, 0.1005

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.



25.0635, 0.2678, 0.2045



25.0635, 0.4184, 0.4839



25.0635, 0.1632, 0.2062

Square

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



25.0635, 0.4184, 0.4839



25.0635, 0.1860, 0.3445



25.0635, 0.1994, 0.1914



25.0635, 0.4520, 0.2955

Rectangle

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



25.0635, 0.4184, 0.4839



25.0635, 0.2759, 0.4754



25.0635, 0.1994, 0.1914



25.0635, 0.3290, 0.2266

Sweetspot

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



25.0647, 0.4184, 0.4839



49.4365, 0.3477, 0.3824



7.3856, 0.5612, 0.3207



11.2048, 0.3528, 0.3901



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.0647, 0.4184, 0.4839



43.9060, 0.4284, 0.4950



23.5210, 0.3535, 0.5316



6.6849, 0.3261, 0.3496



21.1648, 0.4301, 0.4967



0.2738, 0.4242, 0.5014

Inverse Universe

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



3.8626, 0.1713, 0.1005



4.4365, 0.1540, 0.0692



4.9243, 0.2189, 0.1166



5.6862, 0.2989, 0.3076



2.0080, 0.1515, 0.0653



0.0358, 0.1585, 0.0907

Previews

White Background



This preview shows how the Yxy color 25.0635, 0.4184, 0.4839 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 25.0635, 0.4184, 0.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

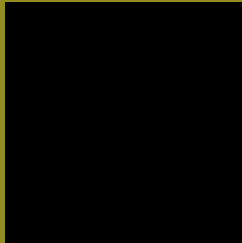
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0635, 0.4184, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 25.0635, 0.4184, 0.4839.



This preview shows how white text looks on a background with the Yxy color 25.0635, 0.4184, 0.4839.

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

25.0635, 0.4184, 0.4839

Protanopia

25.1459, 0.4295, 0.4766

Deuteranopia

24.8695, 0.4571, 0.4488



Tritanopia

24.8569, 0.3298, 0.3116

Trichromacy



Original Color

25.0635, 0.4184, 0.4839

Protanomaly

25.1435, 0.4248, 0.4802

Deuteranomaly

24.9581, 0.4429, 0.4619

Tritanomaly

24.6652, 0.3705, 0.3836

Monochromacy



Original Color

25.0635, 0.4184, 0.4839

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.0926, 0.3584, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0635, 0.4184, 0.4839 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(147, 140, 32)` looks like.

```
.text, #text, p{  
    color:rgb(147, 140, 32)  
}
```

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(147, 140, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 140, 32) }
```

Border

The CSS property to change the border of an element to Yxy 25.0635, 0.4184, 0.4839 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(147, 140, 32) }
```

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

```
.border{ border-color:rgb(147, 140, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 140, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 140, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 140, 32);  
box-shadow:4px 4px 4px 4px rgb(147, 140,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0635, 0.4184, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 140, 32) }
```

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

```
.background{ background-color: rgb(147,  
140, 32) }
```

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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