

Converting Colors

$Y_{xy}(24.0254, 0.4181, 0.4613)$

Have a look what the booklet for
Yxy(24.0254, 0.4181, 0.4613)
contains.

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Color

Yxy(24.0254, 0.4181, 0.4613)

Conversions

Conversions Part 1

Format	Color
Hex	968730
RGB	150, 135, 48
RGB Percent	59%, 53%, 19%
CMY	0.4117, 0.4706, 0.8119
CMYK	0.00, 0.10, 0.68, 0.41
HSL	51°, 52%, 39%
HSV	51°, 68%, 59%
XYZ	21.7755, 24.0254, 6.2811
YIQ	129.5670, 36.8670, -23.8770

Conversions

Conversions Part 2

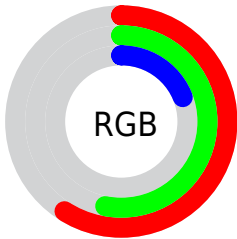
Format	Color
R_{YB}	66, 150, 48
Decimal	9865008
CIE _{Lab}	56.11, -4.89, 47.06
CIE _{LCh}	56, 47.308, 95.928
Yxy	24.0254, 0.4181, 0.4613
Android (android.graphics.Color)	4288055088 (0xFF968730)
YUV	129.5670, -40.2125, 17.9197
Hunter-Lab	49.0157, -6.4780, 26.7133

Details

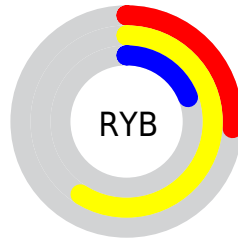
The Yxy color **24.0254, 0.4181, 0.4613** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.3804, 0.1909, 0.1433**, and the grayscale version is **22.2965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1327, 0.3992, 0.4353**, and **9.1424, 0.4376, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **23.3139, 0.4299, 0.4725**, and if you desaturate by 10%, it is **24.7938, 0.4042, 0.4464**.

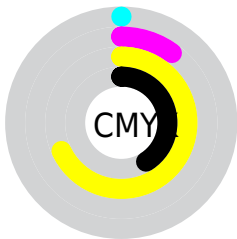
Distribution



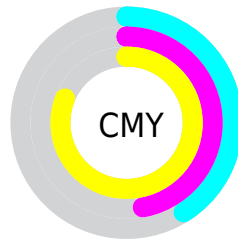
- Red (59%)
- Green (53%)
- Blue (19%)



- Red (26%)
- Yellow (59%)
- Blue (19%)



- Cyan (0%)
- Magenta (10%)
- Yellow (68%)
- Black (41%)




- Cyan (41%)
- Magenta (47%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0254, 0.4181, 0.4613 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 24.0254, 0.4181, 0.4613 by changing the saturation by 10% instead.


 24.0254, 0.4181,
0.4613


 24.0254, 0.4181,
0.4613


272.9489, 0.3640,
0.3911


 15.3525, 0.4301,
0.4782


 50.0716, 0.3990,
0.4357

 9.0671, 0.4432,
0.4981


 68.2137, 0.3916,
0.4260

 4.7850, 0.4669,
0.5331

 90.2810, 0.3852,
0.4178

 2.1217, 0.4604,
0.5396

 116.6579, 0.3797,
0.4108

 0.6768, 0.4364,
0.5636

 147.7287, 0.3750,
0.4048

 0.0000, 0.0000,
0.0000

 183.8779, 0.3708,

0.3997

225.4898, 0.3672,
0.3951

■ 24.0254, 0.4181,
0.4613

■ 24.0254, 0.4181,
0.4613

■ 23.3139, 0.4299,
0.4725

■ 24.7938, 0.4042,
0.4464

■ 22.6514, 0.4391,
0.4794

■ 25.6196, 0.3888,
0.4285

■ 22.0305, 0.4460,
0.4825

■ 26.5073, 0.3726,
0.4086

■ 21.9105, 0.4473,
0.4830

■ 27.4602, 0.3562,
0.3877

■ 28.4810, 0.3400,
0.3663

■ 29.5726, 0.3245,
0.3453

■ 30.7373, 0.3099,
0.3251

■ 31.9777, 0.2964,
0.3059

■ 33.2958, 0.2839,
0.2880

Harmonies

Analogous

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



24.0254, 0.4664, 0.4096



24.0254, 0.4181, 0.4613



24.0254, 0.3454, 0.4811

Triad

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



24.0254, 0.4181, 0.4613



24.0254, 0.1763, 0.2752



24.0254, 0.3440, 0.2449

Complementary

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



24.0254, 0.4181, 0.4613



6.3804, 0.1909, 0.1433

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.



24.0254, 0.2633, 0.2143



24.0254, 0.4181, 0.4613



24.0254, 0.1763, 0.2248

Square

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



24.0254, 0.4181, 0.4613



24.0254, 0.2072, 0.3567



24.0254, 0.2054, 0.2063



24.0254, 0.4247, 0.2927

Rectangle

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



24.0254, 0.4181, 0.4613



24.0254, 0.2931, 0.4619



24.0254, 0.2054, 0.2063



24.0254, 0.3155, 0.2325

Sweetspot

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



24.0265, 0.4181, 0.4613



49.8205, 0.3438, 0.3714



8.9570, 0.4979, 0.3067



10.9389, 0.3479, 0.3768



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.



24.0265, 0.4181, 0.4613



40.4763, 0.4354, 0.4769



25.6249, 0.3625, 0.5043



6.6009, 0.3263, 0.3477



18.2064, 0.4471, 0.4832



0.2547, 0.4319, 0.4953

Inverse Universe

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



6.3804, 0.1909, 0.1433



7.2927, 0.1682, 0.1028



6.1825, 0.2220, 0.1347



5.7625, 0.2989, 0.3096



2.3353, 0.1541, 0.0747



0.0549, 0.1691, 0.1287

Previews

White Background



This preview shows how the Yxy color 24.0254, 0.4181, 0.4613 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 24.0254, 0.4181, 0.4613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

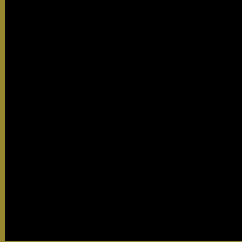
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0254, 0.4181, 0.4613

Background



This preview shows how black text looks on a background with the Yxy color 24.0254, 0.4181, 0.4613.



This preview shows how white text looks on a background with the Yxy color 24.0254, 0.4181, 0.4613.

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

24.0254, 0.4181, 0.4613

Protanopia

24.0254, 0.4181, 0.4613

Deuteranopia

23.9935, 0.4461, 0.4379



Tritanopia

23.8674, 0.3386, 0.3132

Trichromacy



Original Color

24.0254, 0.4181, 0.4613

Protanomaly

24.0254, 0.4181, 0.4613

Deuteranomaly

24.0314, 0.4351, 0.4474

Tritanomaly

23.5700, 0.3720, 0.3703

Monochromacy



Original Color

24.0254, 0.4181, 0.4613

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.7410, 0.3540, 0.3857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0254, 0.4181, 0.4613 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(150, 135, 48)` looks like.

```
.text, #text, p{  
    color:rgb(150, 135, 48)  
}
```

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(150, 135, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 135, 48) }
```

Border

The CSS property to change the border of an element to Yxy 24.0254, 0.4181, 0.4613 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(150, 135, 48) }
```

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

```
.border{ border-color:rgb(150, 135, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 135, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 135, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 135, 48);  
box-shadow:4px 4px 4px 4px rgb(150, 135,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0254, 0.4181, 0.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 135, 48) }
```

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

```
.background{ background-color: rgb(150,  
135, 48) }
```

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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