

Converting Colors

$Y_{xy}(24.9863, 0.3683, 0.4230)$

Have a look what the booklet for
Yxy(24.9863, 0.3683, 0.4230)
contains.

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Color

Yxy(24.9010, 0.3683, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	8B8C55
RGB	139, 140, 85
RGB Percent	55%, 55%, 33%
CMY	0.4549, 0.4510, 0.6667
CMYK	0.01, 0.00, 0.39, 0.45
HSL	61°, 24%, 44%
HSV	61°, 39%, 55%
XYZ	21.6656, 24.9010, 12.2593
YIQ	133.4310, 17.0590, -17.3170

Conversions

Conversions Part 2

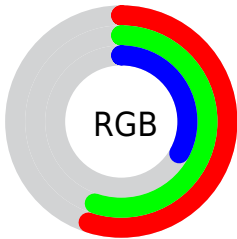
Format	Color
RYB	85, 140, 86
Decimal	9145429
CIELab	56.98, -9.13, 29.25
CIElCh	57, 30.643, 107.339
Yxy	24.9010, 0.3683, 0.4233
Android (android.graphics.Color)	4287335509 (0xFF8B8C55)
YUV	133.4310, -23.8765, 4.8840
Hunter-Lab	49.9009, -9.8269, 20.3647

Details

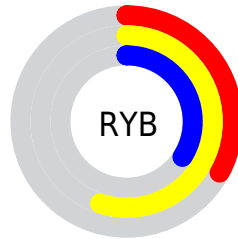
The Yxy color **24.9010, 0.3683, 0.4233** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.3698, 0.2443, 0.2143**, and the grayscale version is **23.7058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2267, 0.3575, 0.4031**, and **9.5270, 0.3860, 0.4579** is the 20% darker color. If you saturate the color by 10%, you get **24.6793, 0.3812, 0.4454**, and if you desaturate by 10%, it is **25.1691, 0.3544, 0.3997**.

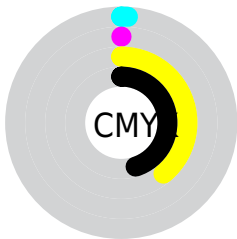
Distribution



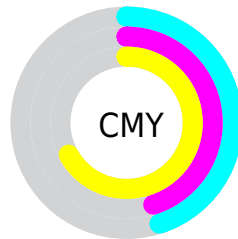
- Red (55%)
- Green (55%)
- Blue (33%)



- Red (33%)
- Yellow (55%)
- Blue (34%)



- Cyan (1%)
- Magenta (0%)
- Yellow (39%)
- Black (45%)





- Cyan (45%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9010, 0.3683, 0.4233 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 24.9010, 0.3683, 0.4233 by changing the saturation by 10% instead.


 24.9010, 0.3683,
0.4233


 24.9010, 0.3683,
0.4233


277.3446, 0.3389,
0.3708


 16.0033, 0.3758,
0.4381


 51.4966, 0.3574,
0.4029


 9.5265, 0.3852,
0.4581


 69.9632, 0.3533,
0.3957


 5.0862, 0.3968,
0.4859

 92.3884, 0.3499,
0.3897

 2.2979, 0.4376,
0.5620

 119.1563, 0.3470,
0.3847

 0.7726, 0.3983,
0.6017

 150.6515, 0.3446,
0.3804

 0.0000, 0.0000,
0.0000

187.2584, 0.3424,

0.3768

229.3613, 0.3405,
0.3736

■ 24.9010, 0.3683,
0.4233

■ 24.9010, 0.3683,
0.4233

■ 24.6793, 0.3812,
0.4454

■ 25.1691, 0.3544,
0.3997

■ 24.4979, 0.3925,
0.4650

■ 25.4825, 0.3401,
0.3753

■ 24.3551, 0.4018,
0.4813


■ 25.8447, 0.3257,
0.3510

■ 24.2476, 0.4088,
0.4937


■ 26.2576, 0.3117,
0.3273


■ 24.1717, 0.4134,
0.5021


■ 26.7232, 0.2984,
0.3048

 24.1177, 0.4161,
0.5073

 27.2435, 0.2858,
0.2837

 24.1140, 0.4162,
0.5077

 27.8201, 0.2741,
0.2641

 28.4548, 0.2634,
0.2461

 29.1491, 0.2536,
0.2297

Harmonies

Analogous

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



24.9010, 0.4059, 0.4008



24.9010, 0.3683, 0.4233



24.9010, 0.3176, 0.4177

Triad

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



24.9010, 0.3683, 0.4233



24.9010, 0.2176, 0.2810



24.9010, 0.3545, 0.2840

Complementary

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



24.9010, 0.3683, 0.4233



10.3698, 0.2443, 0.2143

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.



24.9010, 0.3006, 0.2570



24.9010, 0.3683, 0.4233



24.9010, 0.2253, 0.2529

Square

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



24.9010, 0.3683, 0.4233



24.9010, 0.2323, 0.3276



24.9010, 0.2542, 0.2455



24.9010, 0.3991, 0.3216

Rectangle

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



24.9010, 0.3683, 0.4233



24.9010, 0.2836, 0.3958



24.9010, 0.2542, 0.2455



24.9010, 0.3366, 0.2736

Sweetspot

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



24.9021, 0.3683, 0.4233



45.3646, 0.3300, 0.3582



12.8746, 0.4056, 0.3310



10.4365, 0.3316, 0.3608



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.9021, 0.3683, 0.4233



43.5554, 0.3796, 0.4426



22.8307, 0.3358, 0.4345



5.8404, 0.3255, 0.3506



21.4264, 0.4163, 0.5077



0.1430, 0.4179, 0.5064

Inverse Universe

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



10.3698, 0.2443, 0.2143



14.2653, 0.2264, 0.1844



11.9298, 0.2796, 0.2246



4.8963, 0.2993, 0.3064



1.6980, 0.1508, 0.0605



0.0118, 0.1547, 0.0626

Previews

White Background



This preview shows how the Yxy color 24.9010, 0.3683, 0.4233 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 24.9010, 0.3683, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

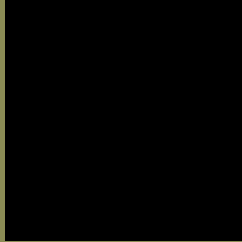
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

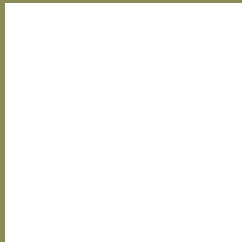
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9010, 0.3683, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 24.9010, 0.3683, 0.4233.



This preview shows how white text looks on a background with the Yxy color 24.9010, 0.3683, 0.4233.

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

24.9010, 0.3683, 0.4233

Protanopia

24.9210, 0.3833, 0.4164

Deuteranopia

24.9201, 0.4040, 0.3970



Tritanopia

24.8692, 0.3169, 0.3127

Trichromacy



Original Color

24.9010, 0.3683, 0.4233

Protanomaly

24.8368, 0.3778, 0.4195

Deuteranomaly

24.7900, 0.3918, 0.4062

Tritanomaly

24.8531, 0.3356, 0.3527

Monochromacy



Original Color

24.9010, 0.3683, 0.4233

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.0202, 0.3327, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9010, 0.3683, 0.4233 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(139, 140, 85)` looks like.

```
.text, #text, p{  
    color:rgb(139, 140, 85)  
}
```

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(139, 140, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 140, 85) }
```

Border

The CSS property to change the border of an element to Yxy 24.9010, 0.3683, 0.4233 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(139, 140, 85) }
```

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

```
.border{ border-color:rgb(139, 140, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 140, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 140, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 140, 85);  
box-shadow:4px 4px 4px 4px rgb(139, 140,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9010, 0.3683, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 140, 85) }
```

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

```
.background{ background-color: rgb(139,  
140, 85) }
```

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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