

Converting Colors

$Y_{xy}(24.3074, 0.3438, 0.4271)$

Have a look what the booklet for
Yxy(24.3074, 0.3438, 0.4271)
contains.

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Color

Yxy(24.2048, 0.3433, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	7A8E59
RGB	122, 142, 89
RGB Percent	48%, 56%, 35%
CMY	0.5216, 0.4431, 0.6509
CMYK	0.14, 0.00, 0.37, 0.44
HSL	83°, 23%, 45%
HSV	83°, 37%, 56%
XYZ	19.5013, 24.2048, 13.0993
YIQ	129.9780, 5.0930, -20.7230

Conversions

Conversions Part 2

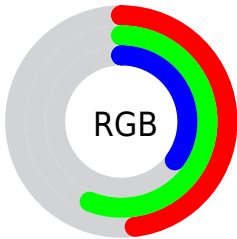
Format	Color
R_{YB}	89, 142, 109
Decimal	8031833
CIE _{Lab}	56.29, -16.70, 25.91
CIE _{LCh}	56, 30.826, 122.807
Y _{xy}	24.2048, 0.3433, 0.4261
Android (android.graphics.Color)	4286221913 (0xFF7A8E59)
YUV	129.9780, -20.2022, -6.9967
Hunter-Lab	49.1984, -15.3431, 18.6526

Details

The Yxy color $24.2048, 0.3433, 0.4261$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.3549, 0.2719, 0.2274$, and the grayscale version is $22.3866, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.4873, 0.3373, 0.4040$, and $9.1992, 0.3508, 0.4665$ is the 20% darker color. If you saturate the color by 10%, you get $23.6089, 0.3501, 0.4536$, and if you desaturate by 10%, it is $24.8705, 0.3356, 0.3986$.

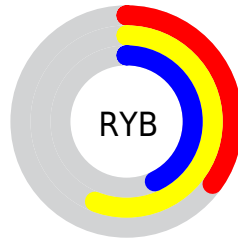
Distribution



Red (48%)

Green (56%)

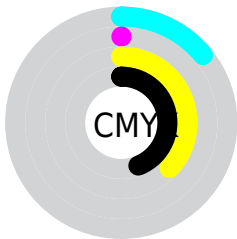
Blue (35%)



Red (35%)

Yellow (56%)

Blue (43%)

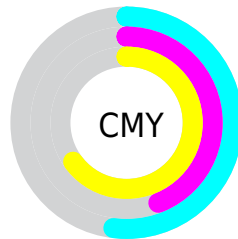


Cyan (14%)

Magenta (0%)

Yellow (37%)

Black (44%)



Cyan (52%)


Magenta (44%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2048, 0.3433, 0.4261 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 24.2048, 0.3433, 0.4261 by changing the saturation by 10% instead.


 24.2048, 0.3433,
0.4261


 24.2048, 0.3433,
0.4261


273.8542, 0.3277,
0.3707


 15.4856, 0.3469,
0.4426


 50.3642, 0.3377,
0.4041


 9.1609, 0.3512,
0.4654


 68.5732, 0.3356,
0.3964


 4.8463, 0.3555,
0.4990

 90.7143, 0.3338,
0.3902

 2.1574, 0.3769,
0.5819

 117.1718, 0.3322,
0.3850

 0.6966, 0.2675,
0.7325

 148.3301, 0.3308,
0.3806

 0.0000, 0.0000,
0.0000

184.5737, 0.3297,

0.3768

226.2870, 0.3286,
0.3736

■ 24.2048, 0.3433,
0.4261

■ 24.2048, 0.3433,
0.4261

■ 23.6089, 0.3501,
0.4536

■ 24.8705, 0.3356,
0.3986

■ 23.0766, 0.3555,
0.4799

■ 25.6055, 0.3273,
0.3719

■ 22.6057, 0.3591,
0.5040


■ 26.4136, 0.3189,
0.3465

■ 22.1925, 0.3605,
0.5246

■ 27.2972, 0.3105,
0.3228

■ 21.8329, 0.3596,
0.5408

■ 28.2585, 0.3024,
0.3011


 21.5194, 0.3567,
0.5526

 29.3000, 0.2946,
0.2812

 21.4396, 0.3559,
0.5556

 30.4235, 0.2873,
0.2633

 31.6312, 0.2805,
0.2471

 32.9250, 0.2742,
0.2326

Harmonies

Analogous

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



24.2048, 0.3900, 0.4164



24.2048, 0.3433, 0.4261



24.2048, 0.2906, 0.4031

Triad

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



24.2048, 0.3433, 0.4261



24.2048, 0.2175, 0.2629



24.2048, 0.3809, 0.3020

Complementary

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



24.2048, 0.3433, 0.4261



12.3549, 0.2719, 0.2274

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.



24.2048, 0.3286, 0.2684



24.2048, 0.3433, 0.4261



24.2048, 0.2366, 0.2454

Square

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



24.2048, 0.3433, 0.4261



24.2048, 0.2206, 0.3012



24.2048, 0.2758, 0.2481



24.2048, 0.4144, 0.3431

Rectangle

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



24.2048, 0.3433, 0.4261



24.2048, 0.2594, 0.3720



24.2048, 0.2758, 0.2481



24.2048, 0.3646, 0.2897

Sweetspot

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



24.2059, 0.3433, 0.4261



46.0004, 0.3222, 0.3562



17.2927, 0.3868, 0.3641



10.2372, 0.3232, 0.3592



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.



24.2059, 0.3433, 0.4261



41.7667, 0.3492, 0.4498



22.5607, 0.3147, 0.4354



6.1850, 0.3204, 0.3511



19.2586, 0.3561, 0.5554



0.1968, 0.3856, 0.5320

Inverse Universe

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



12.3549, 0.2719, 0.2274



17.6688, 0.2597, 0.2012



14.2472, 0.3070, 0.2372



5.3481, 0.3045, 0.3067



2.4590, 0.1834, 0.0784



0.0354, 0.2325, 0.1054

Previews

White Background



This preview shows how the Yxy color 24.2048, 0.3433, 0.4261 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 24.2048, 0.3433, 0.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

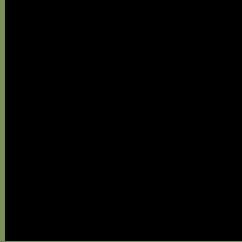
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

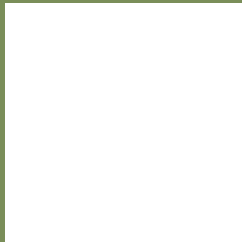
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.2048, 0.3433, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 24.2048, 0.3433, 0.4261.



This preview shows how white text looks on a background with the Yxy color 24.2048, 0.3433, 0.4261.

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

24.2048, 0.3433, 0.4261

Protanopia

24.2029, 0.3801, 0.4111

Deuteranopia

24.0503, 0.3948, 0.3879



Tritanopia

24.1491, 0.2962, 0.3102

Trichromacy



Original Color

24.2048, 0.3433, 0.4261

Protanomaly

24.2684, 0.3662, 0.4174

Deuteranomaly

24.0086, 0.3753, 0.4015

Tritanomaly

24.1697, 0.3138, 0.3521

Monochromacy



Original Color

24.2048, 0.3433, 0.4261

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8000, 0.3248, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2048, 0.3433, 0.4261 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(122, 142, 89)` looks like.

```
.text, #text, p{  
    color:rgb(122, 142, 89)  
}
```

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(122, 142, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 142, 89) }
```

Border

The CSS property to change the border of an element to Yxy 24.2048, 0.3433, 0.4261 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(122, 142, 89) }
```

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

```
.border{ border-color:rgb(122, 142, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 142, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 142, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 142, 89);  
box-shadow:4px 4px 4px 4px rgb(122, 142,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2048, 0.3433, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 142, 89) }
```

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

```
.background{ background-color: rgb(122,  
142, 89) }
```

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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