

Converting Colors

$Y_{xy}(21.3864, 0.3738, 0.4278)$

Have a look what the booklet for
Yxy(21.3864, 0.3738, 0.4278)
contains.

Yxy(21.3124, 0.3735, 0.4269)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3124, 0.3735, 0.4269)

Conversions

Conversions Part 1

Format	Color
Hex	83824C
RGB	131, 130, 76
RGB Percent	51%, 51%, 30%
CMY	0.4863, 0.4902, 0.7020
CMYK	0.00, 0.01, 0.42, 0.49
HSL	59°, 27%, 41%
HSV	59°, 42%, 51%
XYZ	18.6465, 21.3124, 9.9648
YIQ	124.1430, 17.9300, -16.5820

Conversions

Conversions Part 2

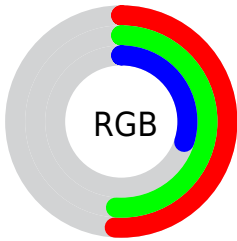
Format	Color
R_{YB}	77, 131, 76
Decimal	8618572
CIE _{Lab}	53.29, -8.13, 29.34
CIE _{LCh}	53, 30.442, 105.496
Yxy	21.3124, 0.3735, 0.4269
Android (android.graphics.Color)	4286808652 (0xFF83824C)
YUV	124.1430, -23.7345, 6.0136
Hunter-Lab	46.1654, -8.6921, 19.5180

Details

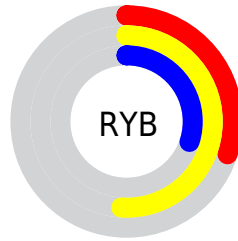
The Yxy color **21.3124, 0.3735, 0.4269** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.4786, 0.2384, 0.2078**, and the grayscale version is **20.2822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6876, 0.3609, 0.4050**, and **7.6841, 0.3921, 0.4646** is the 20% darker color. If you saturate the color by 10%, you get **21.0866, 0.3866, 0.4478**, and if you desaturate by 10%, it is **21.5774, 0.3593, 0.4042**.

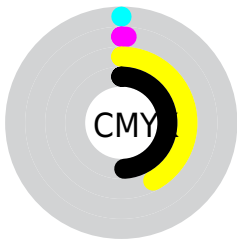
Distribution



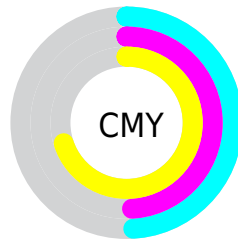
- Red (51%)
- Green (51%)
- Blue (30%)



- Red (30%)
- Yellow (51%)
- Blue (30%)



- Cyan (0%)
- Magenta (1%)
- Yellow (42%)
- Black (49%)





- Cyan (49%)
- Magenta (49%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3124, 0.3735, 0.4269 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 21.3124, 0.3735, 0.4269 by changing the saturation by 10% instead.


 21.3124, 0.3735,
0.4269


 21.3124, 0.3735,
0.4269


258.9341, 0.3406,
0.3713


 13.3525, 0.3821,
0.4430


 45.6069, 0.3611,
0.4050

 7.6718, 0.3930,
0.4649


 62.7103, 0.3565,
0.3973

 3.8856, 0.4070,
0.4964


 83.6303, 0.3527,
0.3910

 1.6098, 0.4377,
0.5623

 108.7514, 0.3495,
0.3858

 0.3642, 0.2884,
0.7116

 138.4580, 0.3468,
0.3813

 0.0000, 0.0000,
0.0000

173.1343, 0.3444,

0.3775

213.1649, 0.3424,
0.3742

■ 21.3124, 0.3735,
0.4269

■ 21.3124, 0.3735,
0.4269

■ 21.0866, 0.3866,
0.4478

■ 21.5774, 0.3593,
0.4042

■ 20.8947, 0.3982,
0.4661

■ 21.8808, 0.3446,
0.3806

■ 20.7354, 0.4077,
0.4809

■ 22.2255, 0.3299,
0.3568


■ 20.6056, 0.4149,
0.4919

■ 22.6132, 0.3155,
0.3336


■ 20.5021, 0.4196,
0.4989


■ 23.0456, 0.3018,
0.3112

 20.4294, 0.4224,
0.5028

 23.5243, 0.2888,
0.2902

 24.0509, 0.2768,
0.2706

 24.6269, 0.2657,
0.2525

 25.2535, 0.2556,
0.2360

Harmonies

Analogous

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



21.3124, 0.4116, 0.4015



21.3124, 0.3735, 0.4269



21.3124, 0.3210, 0.4235

Triad

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



21.3124, 0.3735, 0.4269



21.3124, 0.2139, 0.2811



21.3124, 0.3530, 0.2800

Complementary

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



21.3124, 0.3735, 0.4269



8.4786, 0.2384, 0.2078

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.



21.3124, 0.2966, 0.2528



21.3124, 0.3735, 0.4269



21.3124, 0.2205, 0.2507

Square

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



21.3124, 0.3735, 0.4269



21.3124, 0.2305, 0.3307



21.3124, 0.2492, 0.2419



21.3124, 0.4009, 0.3185

Rectangle

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



21.3124, 0.3735, 0.4269



21.3124, 0.2852, 0.4018



21.3124, 0.2492, 0.2419



21.3124, 0.3341, 0.2694

Sweetspot

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



21.3134, 0.3735, 0.4269



39.7177, 0.3318, 0.3599



10.5389, 0.4114, 0.3257



9.2182, 0.3347, 0.3645



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.3134, 0.3735, 0.4269



37.7945, 0.3856, 0.4461



19.7766, 0.3403, 0.4404



5.4090, 0.3257, 0.3501



20.1107, 0.4224, 0.5028



0.0708, 0.4207, 0.5041

Inverse Universe

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



8.4786, 0.2384, 0.2078



11.6968, 0.2195, 0.1768



9.6097, 0.2729, 0.2163



4.5570, 0.2992, 0.3070



1.6640, 0.1505, 0.0617



0.0066, 0.1527, 0.0695

Previews

White Background



This preview shows how the Yxy color 21.3124, 0.3735, 0.4269 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 21.3124, 0.3735, 0.4269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

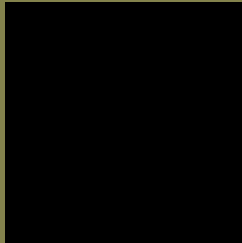
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3124, 0.3735, 0.4269

Background



This preview shows how black text looks on a background with the Yxy color 21.3124, 0.3735, 0.4269.



This preview shows how white text looks on a background with the Yxy color 21.3124, 0.3735, 0.4269.

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

21.3124, 0.3735, 0.4269

Protanopia

21.1757, 0.3871, 0.4202

Deuteranopia

21.0948, 0.4081, 0.3997



Tritanopia

21.1777, 0.3184, 0.3117

Trichromacy



Original Color

21.3124, 0.3735, 0.4269

Protanomaly

21.1806, 0.3824, 0.4231

Deuteranomaly

21.0621, 0.3963, 0.4092

Tritanomaly

21.2425, 0.3398, 0.3542

Monochromacy



Original Color

21.3124, 0.3735, 0.4269

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.4953, 0.3355, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3124, 0.3735, 0.4269 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(131, 130, 76)` looks like.

```
.text, #text, p{  
    color:rgb(131, 130, 76)  
}
```

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(131, 130, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 130, 76) }
```

Border

The CSS property to change the border of an element to Yxy 21.3124, 0.3735, 0.4269 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(131, 130, 76) }
```

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

```
.border{ border-color:rgb(131, 130, 76) }
```

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

Here you see how a box with a 4 pixel rgb(131, 130, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 130, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 130, 76);  
box-shadow:4px 4px 4px 4px rgb(131, 130,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3124, 0.3735, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 130, 76) }
```

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

```
.background{ background-color: rgb(131,  
130, 76) }
```

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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