

Converting Colors

$Y_{xy}(21.2240, 0.3592, 0.4251)$

Have a look what the booklet for
Yxy(21.2240, 0.3592, 0.4251)
contains.

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Color

Yxy(21.0969, 0.3597, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	7C8350
RGB	124, 131, 80
RGB Percent	49%, 51%, 31%
CMY	0.5138, 0.4863, 0.6862
CMYK	0.05, 0.00, 0.39, 0.49
HSL	68°, 24%, 41%
HSV	68°, 39%, 51%
XYZ	17.8765, 21.0969, 10.7249
YIQ	123.0930, 12.1990, -17.3450

Conversions

Conversions Part 2

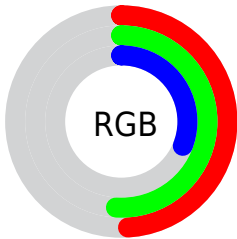
Format	Color
R_{YB}	80, 131, 87
Decimal	8160080
CIE _{Lab}	53.06, -11.18, 26.70
CIE _{LCh}	53, 28.942, 112.722
Yxy	21.0969, 0.3597, 0.4245
Android (android.graphics.Color)	4286350160 (0xFF7C8350)
YUV	123.0930, -21.2448, 0.7954
Hunter-Lab	45.9314, -10.9078, 18.3079

Details

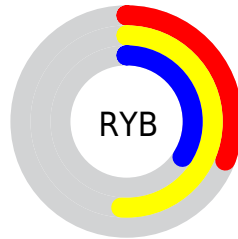
The Yxy color **21.0969, 0.3597, 0.4245** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.4088, 0.2534, 0.2187**, and the grayscale version is **19.9089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2398, 0.3499, 0.4028**, and **7.6059, 0.3739, 0.4639** is the 20% darker color. If you saturate the color by 10%, you get **20.7896, 0.3705, 0.4483**, and if you desaturate by 10%, it is **21.4463, 0.3480, 0.3997**.

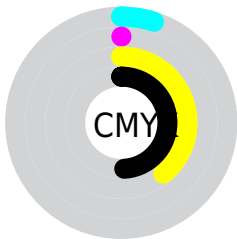
Distribution



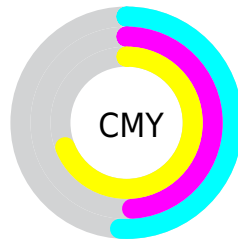
- Red (49%)
- Green (51%)
- Blue (31%)



- Red (31%)
- Yellow (51%)
- Blue (34%)



- Cyan (5%)
- Magenta (0%)
- Yellow (39%)
- Black (49%)





- Cyan (51%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0969, 0.3597, 0.4245 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 21.0969, 0.3597, 0.4245 by changing the saturation by 10% instead.


 21.0969, 0.3597,
0.4245


 21.0969, 0.3597,
0.4245


257.7930, 0.3344,
0.3696


 13.1949, 0.3663,
0.4409


 45.2487, 0.3502,
0.4026


 7.5629, 0.3745,
0.4637


 62.2673, 0.3467,
0.3950

 3.8165, 0.3843,
0.4969

 83.0936, 0.3438,
0.3888

 1.5715, 0.4179,
0.5821

 108.1118, 0.3413,
0.3836

 0.3382, 0.1256,
0.8744

 137.7065, 0.3392,
0.3793

 0.0000, 0.0000,
0.0000

172.2620, 0.3374,

0.3756

212.1627, 0.3358,
0.3724

■ 21.0969, 0.3597,
0.4245

■ 21.0969, 0.3597,
0.4245

■ 20.7896, 0.3705,
0.4483

■ 21.4463, 0.3480,
0.3997

■ 20.5193, 0.3798,
0.4700

■ 21.8371, 0.3358,
0.3746

■ 20.2846, 0.3872,
0.4889


■ 22.2720, 0.3235,
0.3501


■ 20.0827, 0.3923,
0.5041

■ 22.7528, 0.3114,
0.3265

■ 19.9105, 0.3950,
0.5151

■ 23.2813, 0.2999,
0.3043


 19.7595, 0.3959,
0.5230

 23.8589, 0.2889,
0.2836

 19.7433, 0.3960,
0.5238

 24.4872, 0.2787,
0.2646

 25.1677, 0.2692,
0.2472

 25.9017, 0.2605,
0.2315

Harmonies

Analogous

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



21.0969, 0.4005, 0.4062



21.0969, 0.3597, 0.4245



21.0969, 0.3082, 0.4129

Triad

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



21.0969, 0.3597, 0.4245



21.0969, 0.2175, 0.2745



21.0969, 0.3636, 0.2902

Complementary

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



21.0969, 0.3597, 0.4245



9.4088, 0.2534, 0.2187

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.



21.0969, 0.3101, 0.2609



21.0969, 0.3597, 0.4245



21.0969, 0.2291, 0.2502

Square

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



21.0969, 0.3597, 0.4245



21.0969, 0.2282, 0.3182



21.0969, 0.2615, 0.2463



21.0969, 0.4046, 0.3290

Rectangle

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



21.0969, 0.3597, 0.4245



21.0969, 0.2751, 0.3877



21.0969, 0.2615, 0.2463



21.0969, 0.3463, 0.2791

Sweetspot

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



21.0978, 0.3597, 0.4245



39.6105, 0.3276, 0.3582



12.1936, 0.3990, 0.3425



9.2026, 0.3289, 0.3608



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.



21.0978, 0.3597, 0.4245



37.2702, 0.3696, 0.4464



19.4503, 0.3284, 0.4351



5.3914, 0.3237, 0.3506



19.4338, 0.3960, 0.5238



0.0695, 0.4081, 0.5141

Inverse Universe

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



9.4088, 0.2534, 0.2187



13.1414, 0.2362, 0.1884



10.8459, 0.2889, 0.2289



4.5730, 0.3011, 0.3067



1.7406, 0.1570, 0.0638



0.0079, 0.1836, 0.0785

Previews

White Background



This preview shows how the Yxy color 21.0969, 0.3597, 0.4245 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 21.0969, 0.3597, 0.4245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

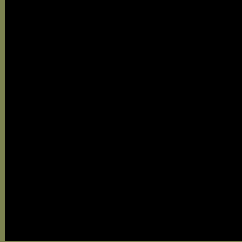
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0969, 0.3597, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 21.0969, 0.3597, 0.4245.



This preview shows how white text looks on a background with the Yxy color 21.0969, 0.3597, 0.4245.

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

21.0969, 0.3597, 0.4245

Protanopia

21.1321, 0.3825, 0.4157

Deuteranopia

20.9593, 0.4007, 0.3942



Tritanopia

20.9618, 0.3100, 0.3113

Trichromacy



Original Color

21.0969, 0.3597, 0.4245

Protanomaly

20.9894, 0.3742, 0.4177

Deuteranomaly

21.0121, 0.3858, 0.4058

Tritanomaly

20.9828, 0.3285, 0.3529

Monochromacy



Original Color

21.0969, 0.3597, 0.4245

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1942, 0.3305, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0969, 0.3597, 0.4245 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(124, 131, 80)` looks like.

```
.text, #text, p{  
    color:rgb(124, 131, 80)  
}
```

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(124, 131, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 131, 80) }
```

Border

The CSS property to change the border of an element to Yxy 21.0969, 0.3597, 0.4245 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(124, 131, 80) }
```

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

```
.border{ border-color:rgb(124, 131, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 131, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 131, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 131, 80);  
box-shadow:4px 4px 4px 4px rgb(124, 131,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0969, 0.3597, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 131, 80) }
```

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

```
.background{ background-color: rgb(124,  
131, 80) }
```

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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