

Converting Colors

$Y_{xy}(21.2835, 0.3864, 0.4652)$

Have a look what the booklet for
Yxy(21.2835, 0.3864, 0.4652)
contains.

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Color

Yxy(21.2904, 0.3865, 0.4651)

Conversions

Conversions Part 1

Format	Color
Hex	7F8437
RGB	127, 132, 55
RGB Percent	50%, 52%, 22%
CMY	0.5020, 0.4823, 0.7843
CMYK	0.04, 0.00, 0.58, 0.48
HSL	64°, 41%, 37%
HSV	64°, 58%, 52%
XYZ	17.6924, 21.2904, 6.7932
YIQ	121.7270, 21.7370, -25.0070

Conversions

Conversions Part 2

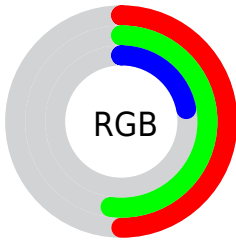
Format	Color
RYB	55, 132, 60
Decimal	8356919
CIELab	53.27, -13.07, 40.10
CIElCh	53, 42.178, 108.056
Yxy	21.2904, 0.3865, 0.4651
Android (android.graphics.Color)	4286546999 (0xFF7F8437)
YUV	121.7270, -32.8964, 4.6244
Hunter-Lab	46.1415, -12.3040, 23.5701

Details

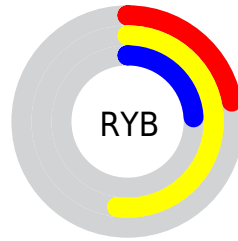
The Yxy color **21.2904, 0.3865, 0.4651** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.3617, 0.2099, 0.1522**, and the grayscale version is **19.4728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5416, 0.3724, 0.4354**, and **7.6868, 0.4026, 0.5153** is the 20% darker color. If you saturate the color by 10%, you get **21.1155, 0.3953, 0.4827**, and if you desaturate by 10%, it is **21.5017, 0.3758, 0.4444**.

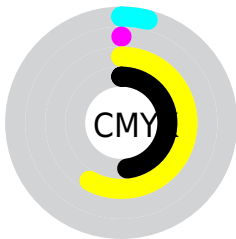
Distribution



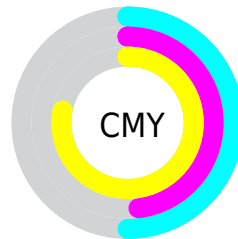
- Red (50%)
- Green (52%)
- Blue (22%)



- Red (22%)
- Yellow (52%)
- Blue (24%)



- Cyan (4%)
- Magenta (0%)
- Yellow (58%)
- Black (48%)



- Cyan (50%)
- Magenta (48%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2904, 0.3865, 0.4651 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 21.2904, 0.3865, 0.4651 by changing the saturation by 10% instead.


 21.2904, 0.3865,
0.4651


 21.2904, 0.3865,
0.4651


 258.8178, 0.3484,
0.3883


 13.3364, 0.3949,
0.4864


 45.5703, 0.3730,
0.4353


 7.6606, 0.4037,
0.5140


 62.6651, 0.3678,
0.4247


 3.8786, 0.4275,
0.5724

 83.5756, 0.3633,
0.4159

 1.6059, 0.4064,
0.5936

 108.6862, 0.3594,
0.4085

 0.3616, 0.0635,
0.9365

 138.3814, 0.3561,
0.4023

 0.0000, 0.0000,
0.0000

 173.0454, 0.3532,

0.3970

213.0628, 0.3506,
0.3924

■ 21.2904, 0.3865,
0.4651

■ 21.2904, 0.3865,
0.4651

■ 21.1155, 0.3953,
0.4827

■ 21.5017, 0.3758,
0.4444

■ 20.9713, 0.4018,
0.4966

■ 21.7490, 0.3637,
0.4216

■ 20.8555, 0.4058,
0.5064

■ 22.0353, 0.3507,
0.3975

■ 20.7606, 0.4080,
0.5130

■ 22.3629, 0.3372,
0.3729

■ 20.7450, 0.4083,
0.5140

■ 22.7336, 0.3237,
0.3486

■ 23.1492, 0.3105,
0.3251

■ 23.6113, 0.2980,
0.3029

■ 24.1217, 0.2861,
0.2821

■ 24.6818, 0.2751,
0.2630

Harmonies

Analogous

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



21.2904, 0.4426, 0.4271



21.2904, 0.3865, 0.4651



21.2904, 0.3144, 0.4615

Triad

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



21.2904, 0.3865, 0.4651



21.2904, 0.1811, 0.2565



21.2904, 0.3740, 0.2669

Complementary

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



21.2904, 0.3865, 0.4651



5.3617, 0.2099, 0.1522

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.



21.2904, 0.2956, 0.2305



21.2904, 0.3865, 0.4651



21.2904, 0.1923, 0.2211

Square

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



21.2904, 0.3865, 0.4651



21.2904, 0.1987, 0.3222



21.2904, 0.2311, 0.2139



21.2904, 0.4395, 0.3168

Rectangle

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



21.2904, 0.3865, 0.4651



21.2904, 0.2670, 0.4281



21.2904, 0.2311, 0.2139



21.2904, 0.3478, 0.2529

Sweetspot

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



21.2914, 0.3865, 0.4651



39.4467, 0.3359, 0.3706



8.2961, 0.4771, 0.3365



9.1602, 0.3382, 0.3747



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.



21.2914, 0.3865, 0.4651



37.1031, 0.3976, 0.4876



18.9369, 0.3397, 0.4901



5.4080, 0.3248, 0.3505



20.0853, 0.4083, 0.5140



0.0707, 0.4142, 0.5094

Inverse Universe

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



5.3617, 0.2099, 0.1522



6.2558, 0.1856, 0.1123



6.9613, 0.2620, 0.1737



4.5580, 0.3001, 0.3066



1.6677, 0.1530, 0.0617



0.0067, 0.1665, 0.0691

Previews

White Background



This preview shows how the Yxy color 21.2904, 0.3865, 0.4651 looks on a white background.

Color Contrast Check

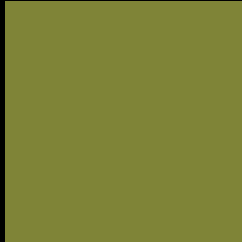
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2904, 0.3865, 0.4651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

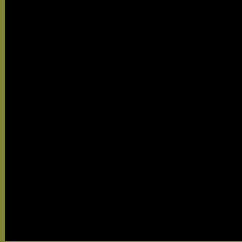
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2904, 0.3865, 0.4651

Background



This preview shows how black text looks on a background with the Yxy color 21.2904, 0.3865, 0.4651.



This preview shows how white text looks on a background with the Yxy color 21.2904, 0.3865, 0.4651.

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

21.2904, 0.3865, 0.4651

Protanopia

21.1078, 0.4102, 0.4501

Deuteranopia

21.1483, 0.4335, 0.4263



Tritanopia

21.2874, 0.3147, 0.3116

Trichromacy



Original Color

21.2904, 0.3865, 0.4651

Protanomaly

21.2011, 0.4018, 0.4562

Deuteranomaly

21.0736, 0.4161, 0.4401

Tritanomaly

21.1042, 0.3438, 0.3692

Monochromacy



Original Color

21.2904, 0.3865, 0.4651

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.0886, 0.3421, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2904, 0.3865, 0.4651 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(127, 132, 55)` looks like.

```
.text, #text, p{  
    color:rgb(127, 132, 55)  
}
```

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(127, 132, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 132, 55) }
```

Border

The CSS property to change the border of an element to Yxy 21.2904, 0.3865, 0.4651 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(127, 132, 55) }
```

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

```
.border{ border-color:rgb(127, 132, 55) }
```

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

Here you see how a box with a 4 pixel rgb(127, 132, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 132, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 132, 55);  
box-shadow:4px 4px 4px 4px rgb(127, 132,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2904, 0.3865, 0.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 132, 55) }
```

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

```
.background{ background-color: rgb(127,  
132, 55) }
```

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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