

Converting Colors

$Y_{xy}(21.2263, 0.3714, 0.4387)$

Have a look what the booklet for
Yxy(21.2263, 0.3714, 0.4387)
contains.

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Color

Yxy(21.1232, 0.3714, 0.4394)

Conversions

Conversions Part 1

Format	Color
Hex	7E8347
RGB	126, 131, 71
RGB Percent	49%, 51%, 28%
CMY	0.5060, 0.4862, 0.7216
CMYK	0.04, 0.00, 0.46, 0.49
HSL	65°, 30%, 40%
HSV	65°, 46%, 51%
XYZ	17.8542, 21.1232, 9.0954
YIQ	122.6650, 16.2800, -19.7200

Conversions

Conversions Part 2

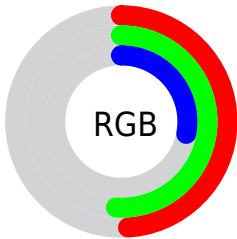
Format	Color
RYB	71, 131, 76
Decimal	8291143
CIELab	53.08, -11.42, 31.68
CIElCh	53, 33.678, 109.824
Yxy	21.1232, 0.3714, 0.4394
Android (android.graphics.Color)	4286481223 (0xFF7E8347)
YUV	122.6650, -25.4708, 2.9248
Hunter-Lab	45.9600, -11.0874, 20.4386

Details

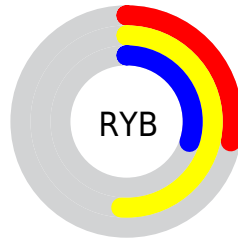
The Yxy color **21.1232, 0.3714, 0.4394** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **7.6820, 0.2364, 0.1946**, and the grayscale version is **19.7713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3648, 0.3598, 0.4141**, and **7.5964, 0.3878, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **20.8905, 0.3821, 0.4610**, and if you desaturate by 10%, it is **21.3950, 0.3593, 0.4159**.

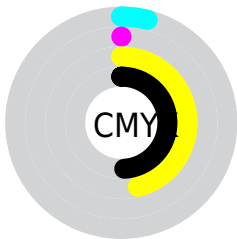
Distribution



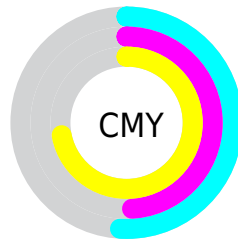
- Red (49%)
- Green (51%)
- Blue (28%)



- Red (28%)
- Yellow (51%)
- Blue (30%)



- Cyan (4%)
- Magenta (0%)
- Yellow (46%)
- Black (49%)





- Cyan (51%)
- Magenta (49%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1232, 0.3714, 0.4394 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 21.1232, 0.3714, 0.4394 by changing the saturation by 10% instead.


 21.1232, 0.3714,
0.4394


 21.1232, 0.3714,
0.4394


257.9325, 0.3401,
0.3763


 13.2141, 0.3792,
0.4578


 45.2925, 0.3598,
0.4145


 7.5761, 0.3885,
0.4828


 62.3214, 0.3555,
0.4057

 3.8249, 0.4014,
0.5213

 83.1591, 0.3519,
0.3986

 1.5761, 0.4164,
0.5836

 108.1900, 0.3488,
0.3926

 0.3414, 0.1180,
0.8820

 137.7983, 0.3462,
0.3876

 0.0000, 0.0000,
0.0000

172.3686, 0.3439,

0.3833

212.2852, 0.3419,
0.3796

■ 21.1232, 0.3714,
0.4394

■ 21.1232, 0.3714,
0.4394

■ 20.8905, 0.3821,
0.4610

■ 21.3950, 0.3593,
0.4159

■ 20.6917, 0.3911,
0.4798

■ 21.7052, 0.3465,
0.3914

■ 20.5251, 0.3979,
0.4951

■ 22.0567, 0.3333,
0.3668

■ 20.3877, 0.4023,
0.5064

■ 22.4513, 0.3202,
0.3426

■ 20.2745, 0.4044,
0.5138

■ 22.8909, 0.3074,
0.3195

■ 20.2295, 0.4051,
0.5166

■ 23.3770, 0.2953,
0.2976

■ 23.9112, 0.2839,
0.2773

■ 24.4950, 0.2733,
0.2586

■ 25.1297, 0.2636,
0.2415

Harmonies

Analogous

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



21.1232, 0.4171, 0.4136



21.1232, 0.3714, 0.4394



21.1232, 0.3124, 0.4311

Triad

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



21.1232, 0.3714, 0.4394



21.1232, 0.2038, 0.2692



21.1232, 0.3659, 0.2805

Complementary

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



21.1232, 0.3714, 0.4394



7.6820, 0.2364, 0.1946

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.



21.1232, 0.3033, 0.2488



21.1232, 0.3714, 0.4394



21.1232, 0.2146, 0.2399

Square

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



21.1232, 0.3714, 0.4394



21.1232, 0.2180, 0.3214



21.1232, 0.2490, 0.2340



21.1232, 0.4163, 0.3234

Rectangle

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



21.1232, 0.3714, 0.4394



21.1232, 0.2738, 0.4034



21.1232, 0.2490, 0.2340



21.1232, 0.3453, 0.2684

Sweetspot

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



21.1242, 0.3714, 0.4394



39.5910, 0.3313, 0.3631



10.4488, 0.4245, 0.3390



9.1883, 0.3338, 0.3677



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.



21.1242, 0.3714, 0.4394



37.3852, 0.3826, 0.4619



19.1776, 0.3338, 0.4547



5.4037, 0.3245, 0.3506



19.9093, 0.4051, 0.5165



0.0704, 0.4126, 0.5106

Inverse Universe

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



7.6820, 0.2364, 0.1946



10.1468, 0.2157, 0.1597



9.2086, 0.2787, 0.2088



4.5619, 0.3004, 0.3067



1.6837, 0.1539, 0.0621



0.0070, 0.1711, 0.0716

Previews

White Background



This preview shows how the Yxy color 21.1232, 0.3714, 0.4394 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 21.1232, 0.3714, 0.4394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

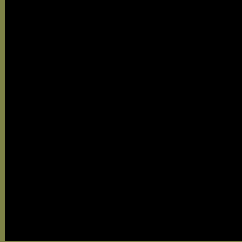
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1232, 0.3714, 0.4394

Background



This preview shows how black text looks on a background with the Yxy color 21.1232, 0.3714, 0.4394.



This preview shows how white text looks on a background with the Yxy color 21.1232, 0.3714, 0.4394.

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

21.1232, 0.3714, 0.4394

Protanopia

21.0974, 0.3934, 0.4297

Deuteranopia

21.0258, 0.4139, 0.4073



Tritanopia

21.1231, 0.3123, 0.3115

Trichromacy



Original Color

21.1232, 0.3714, 0.4394

Protanomaly

20.9489, 0.3850, 0.4323

Deuteranomaly

21.0644, 0.3984, 0.4195

Tritanomaly

21.0723, 0.3344, 0.3583

Monochromacy



Original Color

21.1232, 0.3714, 0.4394

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2063, 0.3352, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1232, 0.3714, 0.4394 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(126, 131, 71)` looks like.

```
.text, #text, p{  
    color:rgb(126, 131, 71)  
}
```

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(126, 131, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 131, 71) }
```

Border

The CSS property to change the border of an element to Yxy 21.1232, 0.3714, 0.4394 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(126, 131, 71) }
```

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

```
.border{ border-color:rgb(126, 131, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 131, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 131, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 131, 71);  
box-shadow:4px 4px 4px 4px rgb(126, 131,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1232, 0.3714, 0.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 131, 71) }
```

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

```
.background{ background-color: rgb(126,  
131, 71) }
```

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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