

Converting Colors

$Y_{xy}(21.5031, 0.4039, 0.3995)$

Have a look what the booklet for
Yxy(21.5031, 0.4039, 0.3995)
contains.

Yxy(21.6151, 0.4042, 0.3997)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.6151, 0.4042, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	9A7B50
RGB	154, 123, 80
RGB Percent	60%, 48%, 31%
CMY	0.3960, 0.5176, 0.6864
CMYK	0.00, 0.20, 0.48, 0.40
HSL	35°, 32%, 46%
HSV	35°, 48%, 60%
XYZ	21.8585, 21.6151, 10.6048
YIQ	127.3670, 32.2790, -6.8010

Conversions

Conversions Part 2

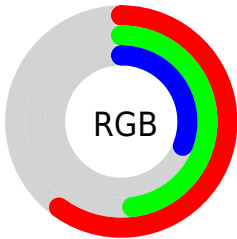
Format	Color
R_{YB}	133, 154, 80
Decimal	10124112
CIE Lab	53.62, 6.27, 28.01
CIE LCh	54, 28.701, 77.391
Yxy	21.6151, 0.4042, 0.3997
Android (android.graphics.Color)	4288314192 (0xFF9A7B50)
YUV	127.3670, -23.3519, 23.3571
Hunter-Lab	46.4920, 2.5615, 19.0205

Details

The Yxy color **21.6151, 0.4042, 0.3997** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.4046, 0.2353, 0.2445**, and the grayscale version is **21.4301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9733, 0.3845, 0.3848**, and **7.7798, 0.4387, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **19.8658, 0.4276, 0.4127**, and if you desaturate by 10%, it is **23.5242, 0.3819, 0.3852**.

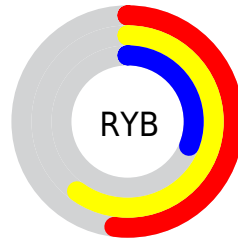
Distribution



Red (60%)

Green (48%)

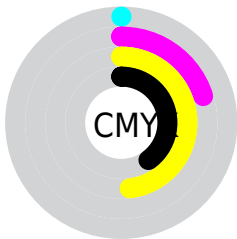
Blue (31%)



Red (52%)

Yellow (60%)

Blue (31%)

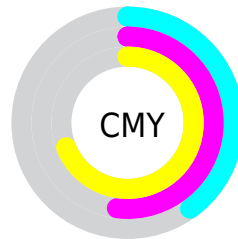


Cyan (0%)

Magenta (20%)

Yellow (48%)

Black (40%)



Cyan (40%)


Magenta (52%)


Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6151, 0.4042, 0.3997 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 21.6151, 0.4042, 0.3997 by changing the saturation by 10% instead.


 21.6151, 0.4042,
0.3997


 21.6151, 0.4042,
0.3997


260.5296, 0.3531,
0.3616


 13.5744, 0.4186,
0.4097


 46.1090, 0.3844,
0.3854

 7.8252, 0.4377,
0.4223


 63.3310, 0.3773,
0.3801


 3.9833, 0.4641,
0.4382

 84.3821, 0.3715,
0.3757

 1.6642, 0.5232,
0.4768

 109.6469, 0.3666,
0.3720

 0.4003, 0.5713,
0.4287

 139.5096, 0.3625,
0.3688

 0.0000, 0.0000,
0.0000

174.3547, 0.3589,

0.3661

214.5666, 0.3558,
0.3637

■ 21.6151, 0.4042,
0.3997

■ 21.6151, 0.4042,
0.3997

■ 19.8658, 0.4276,
0.4127

■ 23.5242, 0.3819,
0.3852

■ 18.2674, 0.4511,
0.4232

■ 25.5952, 0.3611,
0.3700

■ 16.8150, 0.4738,
0.4299

■ 27.8339, 0.3421,
0.3549

■ 15.5016, 0.4942,
0.4320

■ 30.2452, 0.3251,
0.3403

■ 14.3162, 0.5120,
0.4295

■ 32.8334, 0.3099,
0.3264

■ 14.0994, 0.5154,
0.4289

■ 35.6027, 0.2965,
0.3134

■ 38.5572, 0.2846,
0.3013

■ 41.7008, 0.2741,
0.2902

■ 45.0373, 0.2649,
0.2801

Harmonies

Analogous

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



21.6151, 0.4162, 0.3628



21.6151, 0.4042, 0.3997



21.6151, 0.3673, 0.4216

Triad

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



21.6151, 0.4042, 0.3997



21.6151, 0.2336, 0.3276



21.6151, 0.3009, 0.2582

Complementary

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



21.6151, 0.4042, 0.3997



15.4046, 0.2353, 0.2445

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.



21.6151, 0.2553, 0.2468



21.6151, 0.4042, 0.3997



21.6151, 0.2191, 0.2818

Square

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



21.6151, 0.4042, 0.3997



21.6151, 0.2688, 0.3794



21.6151, 0.2267, 0.2541



21.6151, 0.3539, 0.2848

Rectangle

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



21.6151, 0.4042, 0.3997



21.6151, 0.3347, 0.4214



21.6151, 0.2267, 0.2541



21.6151, 0.2843, 0.2525

Sweetspot

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



21.6161, 0.4042, 0.3997



52.1762, 0.3355, 0.3493



13.7764, 0.3833, 0.2761



11.6123, 0.3390, 0.3523



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.6161, 0.4042, 0.3997



35.7511, 0.4301, 0.4140



30.0911, 0.3762, 0.4454



6.7889, 0.3270, 0.3419



11.5569, 0.5145, 0.4297



0.2445, 0.4653, 0.4687

Inverse Universe

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



15.4046, 0.2353, 0.2445



23.0779, 0.2176, 0.2205



9.9947, 0.2291, 0.1841



6.4303, 0.2989, 0.3157



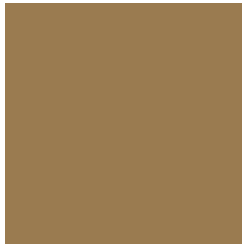
5.0030, 0.1711, 0.1358



0.1444, 0.1935, 0.2165

Previews

White Background



This preview shows how the Yxy color 21.6151, 0.4042, 0.3997 looks on a white background.

Color Contrast Check

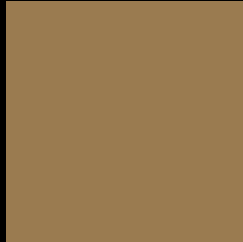
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6151, 0.4042, 0.3997 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 21.6151, 0.4042, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 21.6151, 0.4042, 0.3997.



This preview shows how white text looks on a background with the Yxy color 21.6151, 0.4042, 0.3997.

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

21.6151, 0.4042, 0.3997

Protanopia

21.6230, 0.3800, 0.4097

Deuteranopia

21.7137, 0.4054, 0.3993



Tritanopia

21.4980, 0.3545, 0.3146

Trichromacy



Original Color

21.6151, 0.4042, 0.3997

Protanomaly

21.5355, 0.3890, 0.4062

Deuteranomaly

21.7137, 0.4054, 0.3993

Tritanomaly

21.4659, 0.3745, 0.3456

Monochromacy



Original Color

21.6151, 0.4042, 0.3997

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3659, 0.3446, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6151, 0.4042, 0.3997 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(154, 123, 80)` looks like.

```
.text, #text, p{  
    color:rgb(154, 123, 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(154, 123, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 123, 80) }
```

Border

The CSS property to change the border of an element to Yxy 21.6151, 0.4042, 0.3997 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(154, 123, 80) }
```

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

```
.border{ border-color:rgb(154, 123, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 123, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 123, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 123, 80);  
box-shadow:4px 4px 4px 4px rgb(154, 123,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6151, 0.4042, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 123, 80) }
```

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

```
.background{ background-color: rgb(154,  
123, 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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