

Converting Colors

$Y_{xy}(22.6117, 0.4032, 0.4122)$

Have a look what the booklet for
Yxy(22.6117, 0.4032, 0.4122)
contains.

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Color

Yxy(22.7325, 0.4033, 0.4137)

Conversions

Conversions Part 1

Format	Color
Hex	99804C
RGB	153, 128, 76
RGB Percent	60%, 50%, 30%
CMY	0.4000, 0.4980, 0.7020
CMYK	0.00, 0.16, 0.50, 0.40
HSL	41°, 34%, 45%
HSV	41°, 50%, 60%
XYZ	22.1610, 22.7325, 10.0557
YIQ	129.5470, 31.5920, -10.8720

Conversions

Conversions Part 2

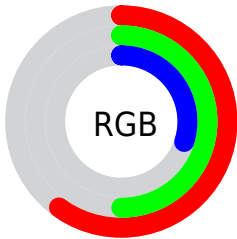
Format	Color
R_{YB}	113, 153, 76
Decimal	10059852
CIE _{Lab}	54.80, 2.59, 31.66
CIE _{LCh}	55, 31.765, 85.326
Yxy	22.7325, 0.4033, 0.4137
Android (android.graphics.Color)	4288249932 (0xFF99804C)
YUV	129.5470, -26.3987, 20.5683
Hunter-Lab	47.6786, -0.4707, 20.8704

Details

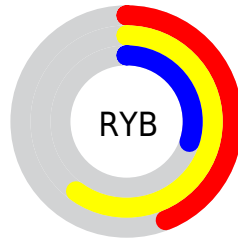
The Yxy color **22.7325, 0.4033, 0.4137** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.1426, 0.2288, 0.2247**, and the grayscale version is **22.2419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1094, 0.3842, 0.3967**, and **8.3950, 0.4340, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **21.2811, 0.4236, 0.4281**, and if you desaturate by 10%, it is **24.3001, 0.3831, 0.3974**.

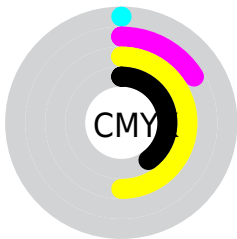
Distribution



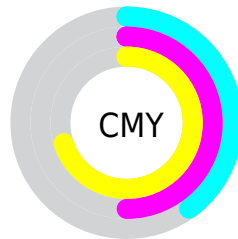
- Red (60%)
- Green (50%)
- Blue (30%)



- Red (44%)
- Yellow (60%)
- Blue (30%)



- Cyan (0%)
- Magenta (16%)
- Yellow (50%)
- Black (40%)




- Cyan (40%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7325, 0.4033, 0.4137 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 22.7325, 0.4033, 0.4137 by changing the saturation by 10% instead.


 22.7325, 0.4033,
0.4137

 22.7325, 0.4033,
0.4137


266.3481, 0.3536,
0.3679


 14.3961, 0.4167,
0.4257


 47.9537, 0.3844,
0.3965

 8.3967, 0.4341,
0.4409


 65.6073, 0.3775,
0.3901

 4.3498, 0.4573,
0.4605

 87.1355, 0.3718,
0.3849

 1.8711, 0.5018,
0.4982

 112.9226, 0.3670,
0.3804

 0.5309, 0.5168,
0.4832

 143.3530, 0.3629,
0.3766

 0.0000, 0.0000,
0.0000

178.8111, 0.3594,

0.3733

219.6813, 0.3563,
0.3705

■ 22.7325, 0.4033,
0.4137

■ 22.7325, 0.4033,
0.4137

■ 21.2811, 0.4236,
0.4281

■ 24.3001, 0.3831,
0.3974

■ 19.9382, 0.4433,
0.4396

■ 25.9848, 0.3636,
0.3802

■ 18.6998, 0.4613,
0.4472

■ 27.7916, 0.3454,
0.3629

■ 17.5600, 0.4767,
0.4501

■ 29.7242, 0.3285,
0.3458

■ 16.5394, 0.4897,
0.4494

■ 31.7859, 0.3132,
0.3295

■ 33.9801, 0.2994,
0.3142

■ 36.3099, 0.2870,
0.2999

■ 38.7781, 0.2759,
0.2866

■ 41.3878, 0.2661,
0.2745

Harmonies

Analogous

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



22.7325, 0.4249, 0.3762



22.7325, 0.4033, 0.4137



22.7325, 0.3580, 0.4318

Triad

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



22.7325, 0.4033, 0.4137



22.7325, 0.2207, 0.3124



22.7325, 0.3147, 0.2588

Complementary

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



22.7325, 0.4033, 0.4137



13.1426, 0.2288, 0.2247

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.



22.7325, 0.2619, 0.2418



22.7325, 0.4033, 0.4137



22.7325, 0.2116, 0.2674

Square

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



22.7325, 0.4033, 0.4137



22.7325, 0.2529, 0.3696



22.7325, 0.2259, 0.2438



22.7325, 0.3718, 0.2909

Rectangle

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



22.7325, 0.4033, 0.4137



22.7325, 0.3213, 0.4258



22.7325, 0.2259, 0.2438



22.7325, 0.2959, 0.2513

Sweetspot

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



22.7336, 0.4033, 0.4137



51.4828, 0.3367, 0.3542



12.8933, 0.4022, 0.2864



11.2217, 0.3400, 0.3575



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.7336, 0.4033, 0.4137



37.8970, 0.4254, 0.4292



28.8959, 0.3701, 0.4543



6.8846, 0.3268, 0.3440



13.7309, 0.4890, 0.4499



0.2706, 0.4526, 0.4788

Inverse Universe

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



13.1426, 0.2288, 0.2247



18.8338, 0.2104, 0.1973



9.5833, 0.2331, 0.1796



6.3375, 0.2988, 0.3136



3.8185, 0.1638, 0.1095



0.1183, 0.1861, 0.1897

Previews

White Background



This preview shows how the Yxy color 22.7325, 0.4033, 0.4137 looks on a white background.

Color Contrast Check

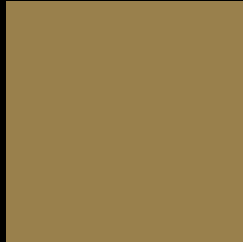
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7325, 0.4033, 0.4137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

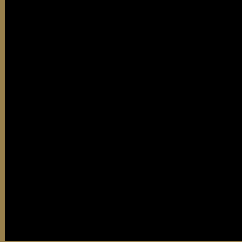
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7325, 0.4033, 0.4137

Background



This preview shows how black text looks on a background with the Yxy color 22.7325, 0.4033, 0.4137.



This preview shows how white text looks on a background with the Yxy color 22.7325, 0.4033, 0.4137.

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

22.7325, 0.4033, 0.4137

Protanopia

22.6977, 0.3884, 0.4207

Deuteranopia

22.6766, 0.4136, 0.4048



Tritanopia

22.5825, 0.3471, 0.3131

Trichromacy



Original Color

22.7325, 0.4033, 0.4137

Protanomaly

22.7041, 0.3930, 0.4178

Deuteranomaly

22.6256, 0.4089, 0.4075

Tritanomaly

22.6309, 0.3684, 0.3505

Monochromacy



Original Color

22.7325, 0.4033, 0.4137

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2296, 0.3449, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7325, 0.4033, 0.4137 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(153, 128, 76)` looks like.

```
.text, #text, p{  
    color:rgb(153, 128, 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(153, 128, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 128, 76) }
```

Border

The CSS property to change the border of an element to Yxy 22.7325, 0.4033, 0.4137 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(153, 128, 76) }
```

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

```
.border{ border-color:rgb(153, 128, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 128, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 128, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 128, 76);  
box-shadow:4px 4px 4px 4px rgb(153, 128,  
76) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.7325, 0.4033, 0.4137$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 128, 76) }
```

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

```
.background{ background-color: rgb(153,  
128, 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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