

Converting Colors

$Y_{xy}(21.0600, 0.4066, 0.4142)$

Have a look what the booklet for
Yxy(21.0600, 0.4066, 0.4142)
contains.

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Color

Yxy(21.0234, 0.4067, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	957B48
RGB	149, 123, 72
RGB Percent	58%, 48%, 28%
CMY	0.4157, 0.5176, 0.7177
CMYK	0.00, 0.17, 0.52, 0.42
HSL	40°, 35%, 43%
HSV	40°, 52%, 58%
XYZ	20.6477, 21.0234, 9.0978
YIQ	124.9600, 31.8670, -10.3490

Conversions

Conversions Part 2

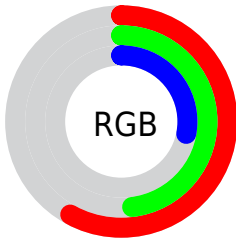
Format	Color
RYB	111, 149, 72
Decimal	9796424
CIELab	52.98, 3.27, 31.49
CIELCh	53, 31.656, 84.080
Yxy	21.0234, 0.4067, 0.4141
Android (android.graphics.Color)	4287986504 (0xFF957B48)
YUV	124.9600, -26.1093, 21.0831
Hunter-Lab	45.8513, 0.1422, 20.3316

Details

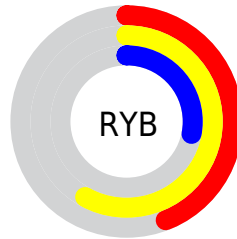
The Yxy color **21.0234, 0.4067, 0.4141** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2809, 0.2270, 0.2237**, and the grayscale version is **20.5759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0442, 0.3866, 0.3956**, and **7.5935, 0.4384, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **19.6366, 0.4274, 0.4279**, and if you desaturate by 10%, it is **22.5235, 0.3861, 0.3983**.

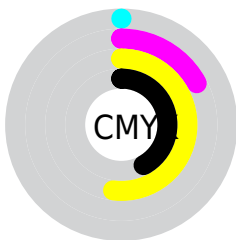
Distribution



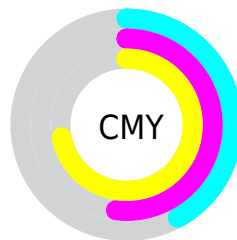
- Red (58%)
- Green (48%)
- Blue (28%)



- Red (44%)
- Yellow (58%)
- Blue (28%)



- Cyan (0%)
- Magenta (17%)
- Yellow (52%)
- Black (42%)




- Cyan (42%)
- Magenta (52%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0234, 0.4067, 0.4141 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 21.0234, 0.4067, 0.4141 by changing the saturation by 10% instead.


 21.0234, 0.4067,
0.4141


 21.0234, 0.4067,
0.4141


257.4028, 0.3546,
0.3678


 13.1411, 0.4210,
0.4263


 45.1265, 0.3867,
0.3966


 7.5258, 0.4396,
0.4417


 62.1160, 0.3794,
0.3902

 3.7930, 0.4669,
0.4637

 82.9102, 0.3735,
0.3848

 1.5585, 0.5067,
0.4933

 107.8932, 0.3685,
0.3803

 0.3294, 0.5439,
0.4561

 137.4496, 0.3642,
0.3765

 0.0000, 0.0000,
0.0000

171.9638, 0.3605,

0.3732

211.8200, 0.3574,
0.3703

■ 21.0234, 0.4067,
0.4141

■ 21.0234, 0.4067,
0.4141

■ 19.6366, 0.4274,
0.4279

■ 22.5235, 0.3861,
0.3983

■ 18.3557, 0.4474,
0.4388

■ 24.1380, 0.3664,
0.3815

■ 17.1767, 0.4656,
0.4456

■ 25.8715, 0.3478,
0.3645

■ 16.0940, 0.4813,
0.4477

■ 27.7277, 0.3307,
0.3477

■ 15.2567, 0.4929,
0.4468

■ 29.7100, 0.3152,
0.3316

■ 31.8213, 0.3012,
0.3165

■ 34.0649, 0.2887,
0.3023

■ 36.4435, 0.2775,
0.2892

■ 38.9601, 0.2675,
0.2772

Harmonies

Analogous

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



21.0234, 0.4277, 0.3752



21.0234, 0.4067, 0.4141



21.0234, 0.3610, 0.4340

Triad

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



21.0234, 0.4067, 0.4141



21.0234, 0.2197, 0.3142



21.0234, 0.3123, 0.2564

Complementary

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



21.0234, 0.4067, 0.4141



12.2809, 0.2270, 0.2237

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.



21.0234, 0.2589, 0.2397



21.0234, 0.4067, 0.4141



21.0234, 0.2095, 0.2675

Square

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



21.0234, 0.4067, 0.4141



21.0234, 0.2534, 0.3730



21.0234, 0.2230, 0.2426



21.0234, 0.3708, 0.2885

Rectangle

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



21.0234, 0.4067, 0.4141



21.0234, 0.3238, 0.4291



21.0234, 0.2230, 0.2426



21.0234, 0.2931, 0.2489

Sweetspot

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



21.0244, 0.4067, 0.4141



48.0833, 0.3385, 0.3554



11.9228, 0.4031, 0.2833



10.5212, 0.3416, 0.3585



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.0244, 0.4067, 0.4141



34.7908, 0.4306, 0.4299



27.3217, 0.3727, 0.4565



6.4181, 0.3267, 0.3436



12.8955, 0.4923, 0.4473



0.2125, 0.4528, 0.4787

Inverse Universe

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



12.2809, 0.2270, 0.2237



17.4105, 0.2078, 0.1950



8.6666, 0.2293, 0.1750



5.9340, 0.2989, 0.3139



3.8190, 0.1648, 0.1131



0.0971, 0.1876, 0.1954

Previews

White Background



This preview shows how the Yxy color 21.0234, 0.4067, 0.4141 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 21.0234, 0.4067, 0.4141 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 21.0234, 0.4067, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 21.0234, 0.4067, 0.4141.



This preview shows how white text looks on a background with the Yxy color 21.0234, 0.4067, 0.4141.

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

21.0234, 0.4067, 0.4141

Protanopia

21.1488, 0.3892, 0.4234

Deuteranopia

21.0126, 0.4150, 0.4087



Tritanopia

21.0990, 0.3494, 0.3143

Trichromacy



Original Color

21.0234, 0.4067, 0.4141

Protanomaly

21.2424, 0.3952, 0.4199

Deuteranomaly

21.0623, 0.4115, 0.4112

Tritanomaly

20.9097, 0.3718, 0.3511

Monochromacy



Original Color

21.0234, 0.4067, 0.4141

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5242, 0.3462, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0234, 0.4067, 0.4141 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(149, 123, 72)` looks like.

```
.text, #text, p{  
    color:rgb(149, 123, 72)  
}
```

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(149, 123, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 123, 72) }
```

Border

The CSS property to change the border of an element to Yxy 21.0234, 0.4067, 0.4141 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(149, 123, 72) }
```

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

```
.border{ border-color:rgb(149, 123, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 123, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 123, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 123, 72);  
box-shadow:4px 4px 4px 4px rgb(149, 123,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0234, 0.4067, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 123, 72) }
```

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

```
.background{ background-color: rgb(149,  
123, 72) }
```

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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