

Converting Colors

$Y_{xy}(20.3614, 0.4312, 0.3753)$

Have a look what the booklet for
Yxy(20.3614, 0.4312, 0.3753)
contains.

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Color

Yxy(20.2878, 0.4312, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	A86F51
RGB	168, 111, 81
RGB Percent	66%, 44%, 32%
CMY	0.3412, 0.5647, 0.6824
CMYK	0.00, 0.34, 0.52, 0.34
HSL	21°, 35%, 49%
HSV	21°, 52%, 66%
XYZ	23.3158, 20.2878, 10.4683
YIQ	124.6230, 43.6020, 2.7540

Conversions

Conversions Part 2

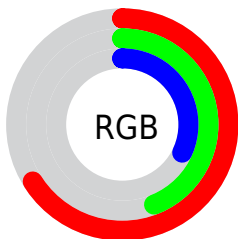
Format	Color
RYB	168, 127, 81
Decimal	11038545
CIELab	52.16, 19.20, 25.90
CIELCh	52, 32.238, 53.447
Yxy	20.2878, 0.4312, 0.3752
Android (android.graphics.Color)	4289228625 (0xFFA86F51)
YUV	124.6230, -21.5061, 38.0416
Hunter-Lab	45.0420, 13.5765, 17.7496

Details

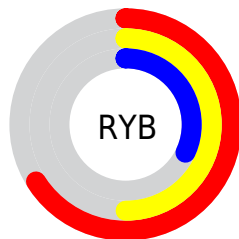
The Yxy color **20.2878, 0.4312, 0.3752** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.7413, 0.2363, 0.2750**, and the grayscale version is **20.4377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0018, 0.4048, 0.3668**, and **7.1871, 0.4783, 0.3867** is the 20% darker color. If you saturate the color by 10%, you get **17.8122, 0.4640, 0.3820**, and if you desaturate by 10%, it is **23.1235, 0.4013, 0.3667**.

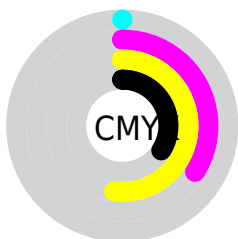
Distribution



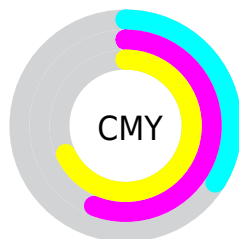
- Red (66%)
- Green (44%)
- Blue (32%)



- Red (66%)
- Yellow (50%)
- Blue (32%)



- Cyan (0%)
- Magenta (34%)
- Yellow (52%)
- Black (34%)




- Cyan (34%)
- Magenta (56%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2878, 0.4312, 0.3752 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 20.2878, 0.4312, 0.3752 by changing the saturation by 10% instead.


 20.2878, 0.4312,
0.3752


 20.2878, 0.4312,
0.3752

253.4689, 0.3637,
0.3521


 12.6044, 0.4509,
0.3802


 43.8992, 0.4046,
0.3671

 7.1567, 0.4777,
0.3855


 60.5960, 0.3952,
0.3640


 3.5603, 0.5160,
0.3898

 81.0660, 0.3876,
0.3613

 1.4308, 0.5962,
0.4038

 105.6937, 0.3812,
0.3589

 0.2392, 0.7442,
0.2558

 134.8634, 0.3758,
0.3569

 0.0000, 0.0000,
0.0000

168.9596, 0.3712,

0.3551

208.3667, 0.3672,
0.3535

■ 20.2878, 0.4312,
0.3752

■ 20.2878, 0.4312,
0.3752

■ 17.8122, 0.4640,
0.3820

■ 23.1235, 0.4013,
0.3667

■ 15.6782, 0.4984,
0.3861

■ 26.3306, 0.3748,
0.3575

■ 13.8702, 0.5321,
0.3861

■ 29.9237, 0.3518,
0.3481

■ 12.3698, 0.5621,
0.3814

■ 33.9155, 0.3322,
0.3390

■ 11.3473, 0.5834,
0.3749

■ 38.3182, 0.3154,
0.3305

■ 43.1434, 0.3012,
0.3225

■ 48.4023, 0.2891,
0.3152

■ 54.1057, 0.2787,
0.3085

■ 60.2638, 0.2699,
0.3023

Harmonies

Analogous

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



20.2878, 0.4173, 0.3293



20.2878, 0.4312, 0.3752



20.2878, 0.4101, 0.4157

Triad

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



20.2878, 0.4312, 0.3752



20.2878, 0.2525, 0.3757



20.2878, 0.2563, 0.2372

Complementary

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



20.2878, 0.4312, 0.3752



22.7413, 0.2363, 0.2750

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.



20.2878, 0.2201, 0.2404



20.2878, 0.4312, 0.3752



20.2878, 0.2176, 0.3148

Square

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



20.2878, 0.4312, 0.3752



20.2878, 0.3056, 0.4240



20.2878, 0.2067, 0.2663



20.2878, 0.3109, 0.2539

Rectangle

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



20.2878, 0.4312, 0.3752



20.2878, 0.3810, 0.4331



20.2878, 0.2067, 0.2663



20.2878, 0.2418, 0.2359

Sweetspot

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



20.2888, 0.4312, 0.3752



58.2014, 0.3407, 0.3431



16.0698, 0.3593, 0.2432



12.3777, 0.3445, 0.3449



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.2888, 0.4312, 0.3752



31.7706, 0.4686, 0.3828



31.8599, 0.3967, 0.4343



7.9499, 0.3277, 0.3368



8.6580, 0.5816, 0.3764



0.3058, 0.5195, 0.4257

Inverse Universe

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



22.7413, 0.2363, 0.2750



36.6325, 0.2224, 0.2607



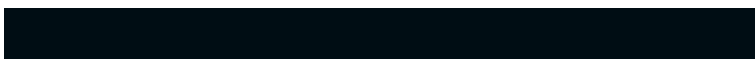
12.8474, 0.2205, 0.1941



8.0896, 0.2987, 0.3210



10.6578, 0.1928, 0.2141



0.3491, 0.2046, 0.2565

Previews

White Background



This preview shows how the Yxy color 20.2878, 0.4312, 0.3752 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 20.2878, 0.4312, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

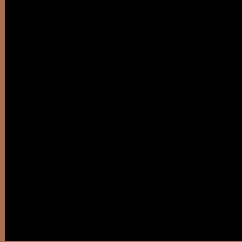
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2878, 0.4312, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 20.2878, 0.4312, 0.3752.



This preview shows how white text looks on a background with the Yxy color 20.2878, 0.4312, 0.3752.

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

20.2878, 0.4312, 0.3752

Protanopia

20.5062, 0.3697, 0.3980

Deuteranopia

20.2422, 0.4033, 0.3965



Tritanopia

20.4111, 0.3905, 0.3170

Trichromacy



Original Color

20.2878, 0.4312, 0.3752

Protanomaly

20.2919, 0.3912, 0.3894

Deuteranomaly

20.2381, 0.4138, 0.3878

Tritanomaly

20.2504, 0.4058, 0.3370

Monochromacy



Original Color

20.2878, 0.4312, 0.3752

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1998, 0.3531, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2878, 0.4312, 0.3752 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(168, 111, 81)` looks like.

```
.text, #text, p{  
    color:rgb(168, 111, 81)  
}
```

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(168, 111, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 111, 81) }
```

Border

The CSS property to change the border of an element to Yxy 20.2878, 0.4312, 0.3752 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(168, 111, 81) }
```

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

```
.border{ border-color:rgb(168, 111, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 111, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 111, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 111, 81);  
box-shadow:4px 4px 4px 4px rgb(168, 111,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2878, 0.4312, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 111, 81) }
```

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

```
.background{ background-color: rgb(168,  
111, 81) }
```

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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