

Converting Colors

$Y_{xy}(22.0686, 0.4308, 0.4002)$

Have a look what the booklet for
Yxy(22.0686, 0.4308, 0.4002)
contains.

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Color

Yxy(22.1295, 0.4314, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	A77849
RGB	167, 120, 73
RGB Percent	65%, 47%, 29%
CMY	0.3451, 0.5294, 0.7138
CMYK	0.00, 0.28, 0.56, 0.35
HSL	30°, 39%, 47%
HSV	30°, 56%, 65%
XYZ	23.8547, 22.1295, 9.3119
YIQ	128.6950, 43.0990, -4.6530

Conversions

Conversions Part 2

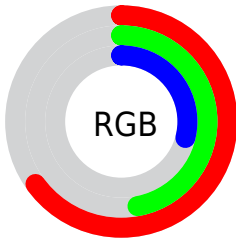
Format	Color
R_{YB}	167, 167, 73
Decimal	10975305
CIE Lab	54.16, 12.96, 32.86
CIE LCh	54, 35.320, 68.475
Yxy	22.1295, 0.4314, 0.4002
Android (android.graphics.Color)	4289165385 (0xFFA77849)
YUV	128.6950, -27.4576, 33.5935
Hunter-Lab	47.0420, 8.1929, 21.1931

Details

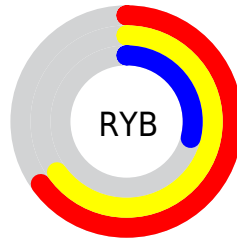
The Yxy color **22.1295, 0.4314, 0.4002** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.6296, 0.2246, 0.2410**, and the grayscale version is **21.9270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7824, 0.4054, 0.3865**, and **8.0304, 0.4740, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **20.0171, 0.4585, 0.4094**, and if you desaturate by 10%, it is **24.4785, 0.4054, 0.3886**.

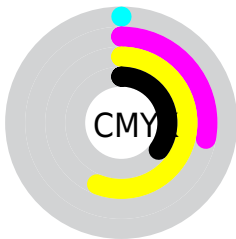
Distribution



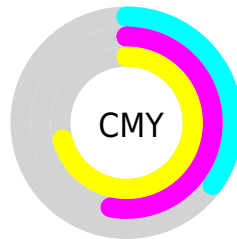
- Red (65%)
- Green (47%)
- Blue (29%)



- Red (65%)
- Yellow (65%)
- Blue (29%)



- Cyan (0%)
- Magenta (28%)
- Yellow (56%)
- Black (35%)





- Cyan (35%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1295, 0.4314, 0.4002 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 22.1295, 0.4314, 0.4002 by changing the saturation by 10% instead.


 22.1295, 0.4314,
0.4002


 22.1295, 0.4314,
0.4002


263.2218, 0.3655,
0.3637


 13.9521, 0.4495,
0.4086


 46.9599, 0.4060,
0.3872


 8.0873, 0.4733,
0.4182

 64.3818, 0.3969,
0.3822


 4.1509, 0.5069,
0.4294

 85.6538, 0.3894,
0.3779

 1.7583, 0.5583,
0.4417

 111.1605, 0.3831,
0.3742

 0.4610, 0.6207,
0.3793

 141.2863, 0.3777,
0.3710

 0.0000, 0.0000,
0.0000

176.4155, 0.3731,

0.3683

216.9325, 0.3690,
0.3658

■ 22.1295, 0.4314,
0.4002

■ 22.1295, 0.4314,
0.4002

■ 20.0171, 0.4585,
0.4094

■ 24.4785, 0.4054,
0.3886

■ 18.1288, 0.4853,
0.4151

■ 27.0696, 0.3812,
0.3757

■ 16.4554, 0.5102,
0.4161

■ 29.9119, 0.3592,
0.3624

■ 14.9842, 0.5318,
0.4119

■ 33.0130, 0.3397,
0.3493

■ 14.4847, 0.5395,
0.4098

■ 36.3801, 0.3225,
0.3366

■ 40.0201, 0.3074,
0.3247

■ 43.9398, 0.2942,
0.3136

■ 48.1454, 0.2827,
0.3034

■ 52.6430, 0.2727,
0.2940

Harmonies

Analogous

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



22.1295, 0.4363, 0.3531



22.1295, 0.4314, 0.4002



22.1295, 0.3933, 0.4359

Triad

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



22.1295, 0.4314, 0.4002



22.1295, 0.2273, 0.3456



22.1295, 0.2798, 0.2385

Complementary

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



22.1295, 0.4314, 0.4002



17.6296, 0.2246, 0.2410

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.



22.1295, 0.2310, 0.2309



22.1295, 0.4314, 0.4002



22.1295, 0.2031, 0.2849

Square

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



22.1295, 0.4314, 0.4002



22.1295, 0.2749, 0.4085



22.1295, 0.2047, 0.2456



22.1295, 0.3433, 0.2651

Rectangle

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



22.1295, 0.4314, 0.4002



22.1295, 0.3561, 0.4449



22.1295, 0.2047, 0.2456



22.1295, 0.2613, 0.2337

Sweetspot

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



22.1306, 0.4314, 0.4002



58.5460, 0.3415, 0.3506



14.3323, 0.3916, 0.2586



12.8576, 0.3451, 0.3531



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.



22.1306, 0.4314, 0.4002



34.8190, 0.4664, 0.4115



36.3339, 0.3920, 0.4601



8.1391, 0.3274, 0.3403



11.1819, 0.5381, 0.4109



0.3745, 0.4893, 0.4497

Inverse Universe

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



17.6296, 0.2246, 0.2410



25.9267, 0.2068, 0.2162



8.9663, 0.2061, 0.1527



7.8967, 0.2987, 0.3174



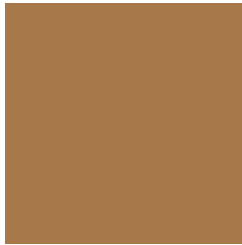
7.0214, 0.1780, 0.1606



0.2733, 0.1948, 0.2214

Previews

White Background



This preview shows how the Yxy color 22.1295, 0.4314, 0.4002 looks on a white background.

Color Contrast Check

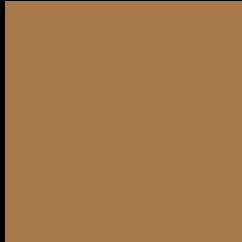
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1295, 0.4314, 0.4002 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 22.1295, 0.4314, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 22.1295, 0.4314, 0.4002.



This preview shows how white text looks on a background with the Yxy color 22.1295, 0.4314, 0.4002.

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

22.1295, 0.4314, 0.4002

Protanopia

22.2519, 0.3866, 0.4201

Deuteranopia

22.2541, 0.4187, 0.4109



Tritanopia

22.1226, 0.3763, 0.3155

Trichromacy



Original Color

22.1295, 0.4314, 0.4002

Protanomaly

22.0228, 0.4024, 0.4116

Deuteranomaly

22.3152, 0.4234, 0.4081

Tritanomaly

22.0568, 0.3982, 0.3462

Monochromacy



Original Color

22.1295, 0.4314, 0.4002

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.8655, 0.3535, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1295, 0.4314, 0.4002 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(167, 120, 73)` looks like.

```
.text, #text, p{  
    color:rgb(167, 120, 73)  
}
```

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(167, 120, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 120, 73) }
```

Border

The CSS property to change the border of an element to Yxy 22.1295, 0.4314, 0.4002 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(167, 120, 73) }
```

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

```
.border{ border-color:rgb(167, 120, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 120, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 120, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 120, 73);  
box-shadow:4px 4px 4px 4px rgb(167, 120,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1295, 0.4314, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 120, 73) }
```

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

```
.background{ background-color: rgb(167,  
120, 73) }
```

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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