

Converting Colors

$Y_{xy}(22.4282, 0.4541, 0.4306)$

Have a look what the booklet for
Yxy(22.4282, 0.4541, 0.4306)
contains.

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Color

Yxy(22.4656, 0.4540, 0.4310)

Conversions

Conversions Part 1

Format	Color
Hex	A87A31
RGB	168, 122, 49
RGB Percent	66%, 48%, 19%
CMY	0.3411, 0.5216, 0.8079
CMYK	0.00, 0.27, 0.71, 0.34
HSL	37°, 55%, 43%
HSV	37°, 71%, 66%
XYZ	23.6645, 22.4656, 5.9943
YIQ	127.4320, 50.8490, -12.9510

Conversions

Conversions Part 2

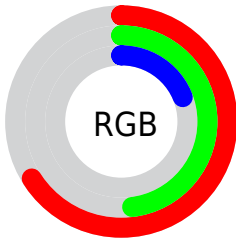
Format	Color
RYB	124, 168, 49
Decimal	11041329
CIELab	54.52, 10.59, 45.50
CIElCh	55, 46.716, 76.892
Yxy	22.4656, 0.4540, 0.4310
Android (android.graphics.Color)	4289231409 (0xFFA87A31)
YUV	127.4320, -38.6670, 35.5781
Hunter-Lab	47.3979, 6.1738, 25.6803

Details

The Yxy color **22.4656, 0.4540, 0.4310** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.6673, 0.1981, 0.1859**, and the grayscale version is **21.5033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3417, 0.4259, 0.4136**, and **8.3423, 0.4909, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **20.8081, 0.4747, 0.4370**, and if you desaturate by 10%, it is **24.2849, 0.4318, 0.4209**.

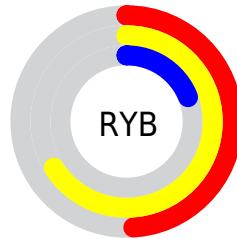
Distribution



 Red (66%)

 Green (48%)

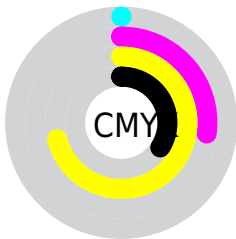
 Blue (19%)



 Red (49%)

 Yellow (66%)

 Blue (19%)

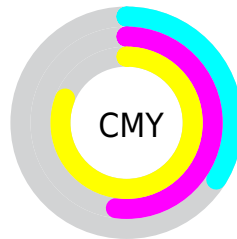


 Cyan (0%)


 Magenta (27%)

 Yellow (71%)

 Black (34%)



 Cyan (34%)


 Magenta (52%)

 Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4656, 0.4540, 0.4310 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 22.4656, 0.4540, 0.4310 by changing the saturation by 10% instead.


 22.4656, 0.4540,
0.4310

 22.4656, 0.4540,
0.4310


264.9682, 0.3782,
0.3802


 14.1994, 0.4726,
0.4412


 47.5143, 0.4261,
0.4137

 8.2595, 0.4949,
0.4515


 65.0657, 0.4156,
0.4067


 4.2614, 0.5314,
0.4686

 86.4809, 0.4068,
0.4007

 1.8209, 0.5453,
0.4547

 112.1443, 0.3994,
0.3955

 0.5001, 0.5948,
0.4052

 142.4403, 0.3929,
0.3909

 0.0000, 0.0000,
0.0000

 177.7534, 0.3874,

0.3869

218.4679, 0.3825,
0.3834

■ 22.4656, 0.4540,
0.4310

■ 22.4656, 0.4540,
0.4310

■ 20.8081, 0.4747,
0.4370

■ 24.2849, 0.4318,
0.4209

■ 19.3006, 0.4927,
0.4381

■ 26.2699, 0.4092,
0.4078

■ 18.0376, 0.5072,
0.4355

■ 28.4283, 0.3872,
0.3929

■ 30.7662, 0.3664,
0.3770

■ 33.2892, 0.3471,
0.3609

■ 36.0027, 0.3297,
0.3452

■ 38.9117, 0.3140,
0.3302

■ 42.0211, 0.2999,
0.3161

■ 45.3355, 0.2875,
0.3030

Harmonies

Analogous

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



22.4656, 0.4771, 0.3720



22.4656, 0.4540, 0.4310



22.4656, 0.3939, 0.4753

Triad

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



22.4656, 0.4540, 0.4310



22.4656, 0.1911, 0.3241



22.4656, 0.2906, 0.2223

Complementary

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



22.4656, 0.4540, 0.4310



11.6673, 0.1981, 0.1859

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.



22.4656, 0.2225, 0.2054



22.4656, 0.4540, 0.4310



22.4656, 0.1717, 0.2520

Square

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



22.4656, 0.4540, 0.4310



22.4656, 0.2422, 0.4145



22.4656, 0.1826, 0.2137



22.4656, 0.3758, 0.2602

Rectangle

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



22.4656, 0.4540, 0.4310



22.4656, 0.3430, 0.4824



22.4656, 0.1826, 0.2137



22.4656, 0.2651, 0.2141

Sweetspot

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



22.4667, 0.4540, 0.4310



60.1376, 0.3482, 0.3618



11.3785, 0.4493, 0.2637



12.8388, 0.3531, 0.3660



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.



22.4667, 0.4540, 0.4310



36.1550, 0.4854, 0.4382



35.3110, 0.3939, 0.4916



8.2794, 0.3271, 0.3428



13.7205, 0.5061, 0.4364



0.4285, 0.4708, 0.4644

Inverse Universe

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



11.6673, 0.1981, 0.1859



15.5479, 0.1791, 0.1505



6.0130, 0.1875, 0.1118



7.7584, 0.2986, 0.3148



5.0793, 0.1682, 0.1255



0.2232, 0.1872, 0.1939

Previews

White Background



This preview shows how the Yxy color 22.4656, 0.4540, 0.4310 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 22.4656, 0.4540, 0.4310 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 22.4656, 0.4540, 0.4310

Background



This preview shows how black text looks on a background with the Yxy color 22.4656, 0.4540, 0.4310.



This preview shows how white text looks on a background with the Yxy color 22.4656, 0.4540, 0.4310.

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

22.4656, 0.4540, 0.4310

Protanopia

22.5915, 0.4142, 0.4545

Deuteranopia

22.4152, 0.4464, 0.4380



Tritanopia

22.3489, 0.3788, 0.3156

Trichromacy



Original Color

22.4656, 0.4540, 0.4310

Protanomaly

22.5474, 0.4283, 0.4462

Deuteranomaly

22.3787, 0.4500, 0.4353

Tritanomaly

22.2250, 0.4107, 0.3613

Monochromacy



Original Color

22.4656, 0.4540, 0.4310

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3189, 0.3646, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4656, 0.4540, 0.4310 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, 122, 49)` looks like.

```
.text, #text, p{  
    color:rgb(168, 122, 49)  
}
```

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, 122, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 122, 49) }
```

Border

The CSS property to change the border of an element to Yxy 22.4656, 0.4540, 0.4310 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, 122, 49) }
```

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

```
.border{ border-color:rgb(168, 122, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 122, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 122, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 122, 49);  
box-shadow:4px 4px 4px 4px rgb(168, 122,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4656, 0.4540, 0.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 122, 49) }
```

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

```
.background{ background-color: rgb(168,  
122, 49) }
```

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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