

Converting Colors

$Y_{xy}(22.4888, 0.4456, 0.4210)$

Have a look what the booklet for
Yxy(22.4888, 0.4456, 0.4210)
contains.

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Color

Yxy(22.5494, 0.4460, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	A87A3A
RGB	168, 122, 58
RGB Percent	66%, 48%, 23%
CMY	0.3412, 0.5215, 0.7724
CMYK	0.00, 0.27, 0.65, 0.34
HSL	35°, 49%, 44%
HSV	35°, 65%, 66%
XYZ	23.8714, 22.5494, 7.1026
YIQ	128.4580, 47.9600, -10.1520

Conversions

Conversions Part 2

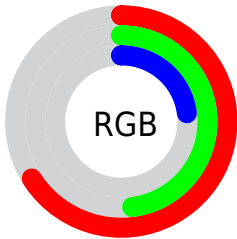
Format	Color
R_{YB}	137, 168, 58
Decimal	11041338
CIE Lab	54.61, 11.13, 41.22
CIE LCh	55, 42.700, 74.889
Yxy	22.5494, 0.4460, 0.4213
Android (android.graphics.Color)	4289231418 (0xFFA87A3A)
YUV	128.4580, -34.7358, 34.6783
Hunter-Lab	47.4862, 6.6315, 24.3723

Details

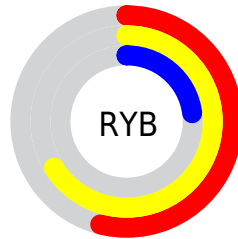
The Yxy color **22.5494, 0.4460, 0.4213** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.6339, 0.2075, 0.2055**, and the grayscale version is **21.8665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5236, 0.4188, 0.4045**, and **8.2252, 0.4884, 0.4413** is the 20% darker color. If you saturate the color by 10%, you get **20.7427, 0.4691, 0.4290**, and if you desaturate by 10%, it is **24.5389, 0.4222, 0.4101**.

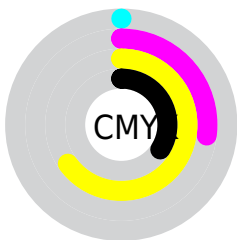
Distribution



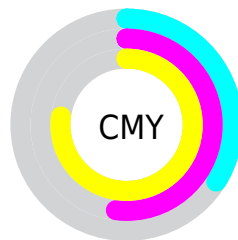
- Red (66%)
- Green (48%)
- Blue (23%)



- Red (54%)
- Yellow (66%)
- Blue (23%)



- Cyan (0%)
- Magenta (27%)
- Yellow (65%)
- Black (34%)





- Cyan (34%)
- Magenta (52%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5494, 0.4460, 0.4213 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 22.5494, 0.4460, 0.4213 by changing the saturation by 10% instead.


 22.5494, 0.4460,
0.4213


 22.5494, 0.4460,
0.4213


265.4021, 0.3737,
0.3748

 14.2611, 0.4645,
0.4312


 47.6524, 0.4189,
0.4051

 8.3025, 0.4876,
0.4418


 65.2359, 0.4089,
0.3987

 4.2891, 0.5287,
0.4623

 86.6866, 0.4006,
0.3932

 1.8366, 0.5479,
0.4521

 112.3889, 0.3935,
0.3885

 0.5098, 0.5973,
0.4027

 142.7272, 0.3874,
0.3844

 0.0000, 0.0000,
0.0000

 178.0859, 0.3822,

0.3808

218.8494, 0.3777,
0.3776

■ 22.5494, 0.4460,
0.4213

■ 22.5494, 0.4460,
0.4213

■ 20.7427, 0.4691,
0.4290

■ 24.5389, 0.4222,
0.4101

■ 19.1072, 0.4902,
0.4321

■ 26.7153, 0.3989,
0.3965

■ 17.6341, 0.5082,
0.4302

■ 29.0865, 0.3768,
0.3817

■ 17.0091, 0.5161,
0.4284

■ 31.6589, 0.3563,
0.3664

■ 34.4385, 0.3377,
0.3512

■ 37.4310, 0.3210,
0.3366

■ 40.6417, 0.3062,
0.3228

■ 44.0758, 0.2931,
0.3100

■ 47.7383, 0.2815,
0.2981

Harmonies

Analogous

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



22.5494, 0.4632, 0.3667



22.5494, 0.4460, 0.4213



22.5494, 0.3931, 0.4617

Triad

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



22.5494, 0.4460, 0.4213



22.5494, 0.2030, 0.3306



22.5494, 0.2880, 0.2283

Complementary

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



22.5494, 0.4460, 0.4213



13.6339, 0.2075, 0.2055

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.



22.5494, 0.2263, 0.2141



22.5494, 0.4460, 0.4213



22.5494, 0.1823, 0.2626

Square

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



22.5494, 0.4460, 0.4213



22.5494, 0.2527, 0.4114



22.5494, 0.1905, 0.2241



22.5494, 0.3655, 0.2627

Rectangle

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



22.5494, 0.4460, 0.4213



22.5494, 0.3467, 0.4688



22.5494, 0.1905, 0.2241



22.5494, 0.2649, 0.2211

Sweetspot

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



22.5505, 0.4460, 0.4213



59.9718, 0.3466, 0.3586



12.3884, 0.4262, 0.2608



12.7786, 0.3516, 0.3627



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.



22.5505, 0.4460, 0.4213



36.1222, 0.4800, 0.4312



35.8505, 0.3939, 0.4804



8.2400, 0.3272, 0.3421



12.9488, 0.5149, 0.4294



0.4127, 0.4758, 0.4604

Inverse Universe

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



13.6339, 0.2075, 0.2055



18.7903, 0.1879, 0.1723



6.9937, 0.1940, 0.1258



7.7969, 0.2986, 0.3155



5.5648, 0.1708, 0.1348



0.2372, 0.1894, 0.2020

Previews

White Background



This preview shows how the Yxy color 22.5494, 0.4460, 0.4213 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 22.5494, 0.4460, 0.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

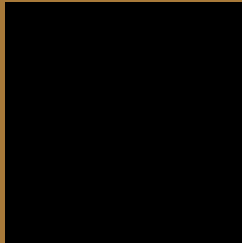
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5494, 0.4460, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 22.5494, 0.4460, 0.4213.



This preview shows how white text looks on a background with the Yxy color 22.5494, 0.4460, 0.4213.

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

22.5494, 0.4460, 0.4213

Protanopia

22.5893, 0.4053, 0.4437

Deuteranopia

22.6440, 0.4363, 0.4301



Tritanopia

22.6009, 0.3771, 0.3156

Trichromacy



Original Color

22.5494, 0.4460, 0.4213

Protanomaly

22.5369, 0.4193, 0.4360

Deuteranomaly

22.6032, 0.4399, 0.4275

Tritanomaly

22.5349, 0.4049, 0.3568

Monochromacy



Original Color

22.5494, 0.4460, 0.4213

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.7406, 0.3606, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5494, 0.4460, 0.4213 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(168, 122, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 122, 58) }
```

Border

The CSS property to change the border of an element to Yxy 22.5494, 0.4460, 0.4213 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, 58) }
```

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

```
.border{ border-color:rgb(168, 122, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 122, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 122, 58);  
box-shadow:4px 4px 4px 4px rgb(168, 122,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5494, 0.4460, 0.4213 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, 58) }
```

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

```
.background{ background-color: rgb(168,  
122, 58) }
```

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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