

Converting Colors

$Y_{xy}(22.2085, 0.4156, 0.4029)$

Have a look what the booklet for
Yxy(22.2085, 0.4156, 0.4029)
contains.

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Color

Yxy(22.1613, 0.4164, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	A07B4C
RGB	160, 123, 76
RGB Percent	63%, 48%, 30%
CMY	0.3726, 0.5176, 0.7020
CMYK	0.00, 0.23, 0.52, 0.37
HSL	34°, 36%, 46%
HSV	34°, 52%, 63%
XYZ	22.8811, 22.1613, 9.9075
YIQ	128.7050, 37.1390, -6.7730

Conversions

Conversions Part 2

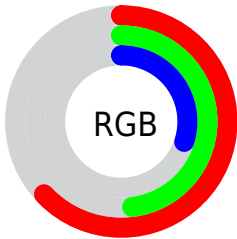
Format	Color
R_{YB}	142, 160, 76
Decimal	10517324
CIE _{Lab}	54.20, 8.46, 31.07
CIE _{LCh}	54, 32.206, 74.764
Yxy	22.1613, 0.4164, 0.4033
Android (android.graphics.Color)	4288707404 (0xFFA07B4C)
YUV	128.7050, -25.9836, 27.4457
Hunter-Lab	47.0758, 4.3771, 20.4750

Details

The Yxy color **22.1613, 0.4164, 0.4033** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.8740, 0.2286, 0.2383**, and the grayscale version is **21.9271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9180, 0.3946, 0.3880**, and **8.0555, 0.4538, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **20.2820, 0.4408, 0.4149**, and if you desaturate by 10%, it is **24.2237, 0.3928, 0.3898**.

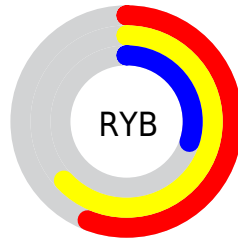
Distribution



Red (63%)

Green (48%)

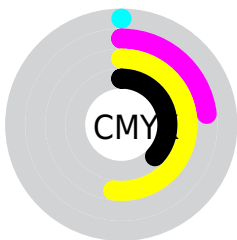
Blue (30%)



Red (56%)

Yellow (63%)

Blue (30%)

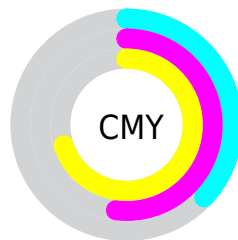


Cyan (0%)

Magenta (23%)

Yellow (52%)

Black (37%)



Cyan (37%)


Magenta (52%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1613, 0.4164, 0.4033 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 22.1613, 0.4164, 0.4033 by changing the saturation by 10% instead.


 22.1613, 0.4164,
0.4033


 22.1613, 0.4164,
0.4033


263.3875, 0.3589,
0.3640

 13.9755, 0.4323,
0.4131


 47.0124, 0.3942,
0.3888

 8.1036, 0.4532,
0.4250


 64.4466, 0.3863,
0.3834

 4.1613, 0.4819,
0.4395


 85.7322, 0.3797,
0.3789

 1.7642, 0.5345,
0.4655

 111.2538, 0.3742,
0.3750

 0.4647, 0.5825,
0.4175

 141.3957, 0.3695,
0.3717

 0.0000, 0.0000,
0.0000

176.5424, 0.3655,

0.3688

217.0782, 0.3620,
0.3663

■ 22.1613, 0.4164,
0.4033

■ 22.1613, 0.4164,
0.4033

■ 20.2820, 0.4408,
0.4149

■ 24.2237, 0.3928,
0.3898

■ 18.5759, 0.4651,
0.4234

■ 26.4723, 0.3708,
0.3753

■ 17.0365, 0.4880,
0.4276

■ 28.9142, 0.3507,
0.3605

■ 15.6553, 0.5081,
0.4268

■ 31.5548, 0.3326,
0.3461

■ 14.7109, 0.5219,
0.4238

■ 34.3994, 0.3164,
0.3323

■ 37.4531, 0.3022,
0.3194

■ 40.7208, 0.2896,
0.3073

■ 44.2071, 0.2786,
0.2962

■ 47.9164, 0.2689,
0.2860

Harmonies

Analogous

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



22.1613, 0.4274, 0.3614



22.1613, 0.4164, 0.4033



22.1613, 0.3770, 0.4308

Triad

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



22.1613, 0.4164, 0.4033



22.1613, 0.2278, 0.3320



22.1613, 0.2944, 0.2493

Complementary

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



22.1613, 0.4164, 0.4033



15.8740, 0.2286, 0.2383

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.



22.1613, 0.2456, 0.2384



22.1613, 0.4164, 0.4033



22.1613, 0.2101, 0.2798

Square

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



22.1613, 0.4164, 0.4033



22.1613, 0.2680, 0.3902



22.1613, 0.2164, 0.2479



22.1613, 0.3532, 0.2772

Rectangle

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



22.1613, 0.4164, 0.4033



22.1613, 0.3414, 0.4334



22.1613, 0.2164, 0.2479



22.1613, 0.2763, 0.2436

Sweetspot

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



22.1624, 0.4164, 0.4033



55.4412, 0.3392, 0.3515



13.8492, 0.3909, 0.2693



11.9576, 0.3427, 0.3543



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



22.1624, 0.4164, 0.4033



36.2832, 0.4451, 0.4166



32.7014, 0.3828, 0.4546



7.2311, 0.3271, 0.3415



11.5519, 0.5206, 0.4248



0.2901, 0.4715, 0.4638

Inverse Universe

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



15.8740, 0.2286, 0.2383



23.6260, 0.2108, 0.2135



9.4190, 0.2184, 0.1679



6.8916, 0.2988, 0.3162



5.5155, 0.1728, 0.1420



0.1815, 0.1939, 0.2180

Previews

White Background



This preview shows how the Yxy color 22.1613, 0.4164, 0.4033 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 22.1613, 0.4164, 0.4033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

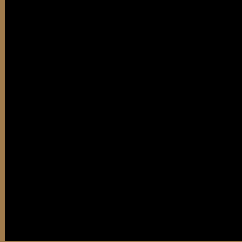
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1613, 0.4164, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 22.1613, 0.4164, 0.4033.



This preview shows how white text looks on a background with the Yxy color 22.1613, 0.4164, 0.4033.

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

22.1613, 0.4164, 0.4033

Protanopia

22.2806, 0.3845, 0.4169

Deuteranopia

22.2062, 0.4130, 0.4056



Tritanopia

22.1215, 0.3622, 0.3150

Trichromacy



Original Color

22.1613, 0.4164, 0.4033

Protanomaly

22.1184, 0.3968, 0.4109

Deuteranomaly

22.3080, 0.4143, 0.4052

Tritanomaly

22.0629, 0.3836, 0.3467

Monochromacy



Original Color

22.1613, 0.4164, 0.4033

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.8800, 0.3481, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1613, 0.4164, 0.4033 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(160, 123, 76)` looks like.

```
.text, #text, p{  
    color:rgb(160, 123, 76)  
}
```

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(160, 123, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 123, 76) }
```

Border

The CSS property to change the border of an element to Yxy 22.1613, 0.4164, 0.4033 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(160, 123, 76) }
```

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

```
.border{ border-color:rgb(160, 123, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 123, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 123, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 123, 76);  
box-shadow:4px 4px 4px 4px rgb(160, 123,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1613, 0.4164, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 123, 76) }
```

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

```
.background{ background-color: rgb(160,  
123, 76) }
```

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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