

Converting Colors

$Y_{xy}(22.0912, 0.4165, 0.3699)$

Have a look what the booklet for
Yxy(22.0912, 0.4165, 0.3699)
contains.

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Color

Yxy(22.0240, 0.4159, 0.3690)

Conversions

Conversions Part 1

Format	Color
Hex	AA755B
RGB	170, 117, 91
RGB Percent	67%, 46%, 36%
CMY	0.3334, 0.5411, 0.6432
CMYK	0.00, 0.31, 0.46, 0.33
HSL	20°, 32%, 51%
HSV	20°, 46%, 67%
XYZ	24.8233, 22.0240, 12.8384
YIQ	129.8830, 39.9340, 3.1500

Conversions

Conversions Part 2

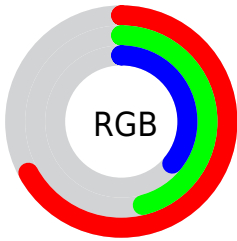
Format	Color
R_{YB}	170, 130, 91
Decimal	11171163
CIE _{Lab}	54.05, 17.65, 22.71
CIE _{LCh}	54, 28.762, 52.140
Yxy	22.0240, 0.4159, 0.3690
Android (android.graphics.Color)	4289361243 (0xFFAA755B)
YUV	129.8830, -19.1693, 35.1826
Hunter-Lab	46.9297, 12.2897, 16.6311

Details

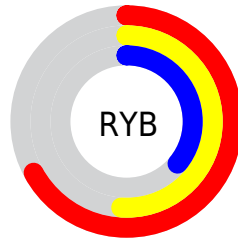
The Yxy color **22.0240, 0.4159, 0.3690** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **25.0576, 0.2438, 0.2837**, and the grayscale version is **22.3384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6299, 0.3933, 0.3619**, and **7.9685, 0.4556, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **19.2675, 0.4479, 0.3765**, and if you desaturate by 10%, it is **25.1725, 0.3873, 0.3604**.

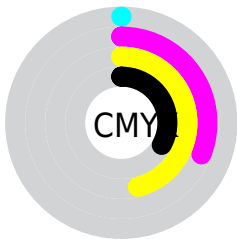
Distribution



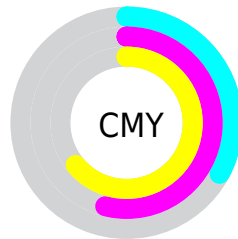
- Red (67%)
- Green (46%)
- Blue (36%)



- Red (67%)
- Yellow (51%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (46%)
- Black (33%)





- Cyan (33%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0240, 0.4159, 0.3690 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 22.0240, 0.4159, 0.3690 by changing the saturation by 10% instead.


 22.0240, 0.4159,
0.3690

 22.0240, 0.4159,
0.3690


262.6716, 0.3576,
0.3488


 13.8745, 0.4328,
0.3736


 46.7857, 0.3930,
0.3618

 8.0335, 0.4560,
0.3789


 64.1666, 0.3849,
0.3591

 4.1164, 0.4892,
0.3843

 85.3936, 0.3783,
0.3567

 1.7389, 0.5679,
0.4072

 110.8509, 0.3728,
0.3547

 0.4486, 0.6565,
0.3435

140.9230, 0.3681,
0.3529

 0.0000, 0.0000,
0.0000

175.9942, 0.3641,

0.3514

216.4489, 0.3607,
0.3500

■ 22.0240, 0.4159,
0.3690

■ 22.0240, 0.4159,
0.3690

■ 19.2675, 0.4479,
0.3765

■ 25.1725, 0.3873,
0.3604

■ 16.8838, 0.4824,
0.3818

■ 28.7248, 0.3625,
0.3515

■ 14.8563, 0.5176,
0.3838

■ 32.6964, 0.3411,
0.3426

■ 13.1663, 0.5506,
0.3814

■ 37.1007, 0.3230,
0.3342

■ 11.7915, 0.5785,
0.3743

■ 41.9506, 0.3076,
0.3263

■ 11.3722, 0.5877,
0.3716

■ 47.2585, 0.2945,
0.3190

■ 53.0362, 0.2834,
0.3123

■ 59.2951, 0.2739,
0.3062

■ 66.0462, 0.2658,
0.3007

Harmonies

Analogous

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



22.0240, 0.4021, 0.3283



22.0240, 0.4159, 0.3690



22.0240, 0.3994, 0.4042

Triad

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



22.0240, 0.4159, 0.3690



22.0240, 0.2623, 0.3715



22.0240, 0.2617, 0.2477

Complementary

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



22.0240, 0.4159, 0.3690



25.0576, 0.2438, 0.2837

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.



22.0240, 0.2302, 0.2519



22.0240, 0.4159, 0.3690



22.0240, 0.2302, 0.3195

Square

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



22.0240, 0.4159, 0.3690



22.0240, 0.3094, 0.4116



22.0240, 0.2192, 0.2763



22.0240, 0.3092, 0.2617

Rectangle

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



22.0240, 0.4159, 0.3690



22.0240, 0.3749, 0.4191



22.0240, 0.2192, 0.2763



22.0240, 0.2491, 0.2470

Sweetspot

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



22.0251, 0.4159, 0.3690



61.0429, 0.3368, 0.3407



18.0677, 0.3511, 0.2495



13.2521, 0.3409, 0.3425



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.0251, 0.4159, 0.3690



34.7148, 0.4497, 0.3768



32.9070, 0.3889, 0.4228



7.9311, 0.3278, 0.3365



8.4607, 0.5857, 0.3731



0.2989, 0.5231, 0.4229

Inverse Universe

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



25.0576, 0.2438, 0.2837



40.8552, 0.2302, 0.2713



15.3250, 0.2312, 0.2126



8.1092, 0.2987, 0.3214



11.0909, 0.1943, 0.2196



0.3574, 0.2056, 0.2600

Previews

White Background



This preview shows how the Yxy color 22.0240, 0.4159, 0.3690 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 22.0240, 0.4159, 0.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

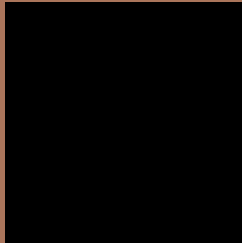
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0240, 0.4159, 0.3690

Background



This preview shows how black text looks on a background with the Yxy color 22.0240, 0.4159, 0.3690.



This preview shows how white text looks on a background with the Yxy color 22.0240, 0.4159, 0.3690.

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

22.0240, 0.4159, 0.3690

Protanopia

22.0340, 0.3623, 0.3874

Deuteranopia

22.1221, 0.3929, 0.3851



Tritanopia

22.0750, 0.3820, 0.3171

Trichromacy



Original Color

22.0240, 0.4159, 0.3690

Protanomaly

21.9594, 0.3810, 0.3815

Deuteranomaly

21.8865, 0.4014, 0.3790

Tritanomaly

21.9311, 0.3952, 0.3353

Monochromacy



Original Color

22.0240, 0.4159, 0.3690

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9479, 0.3479, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0240, 0.4159, 0.3690 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(170, 117, 91)` looks like.

```
.text, #text, p{  
    color:rgb(170, 117, 91)  
}
```

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(170, 117, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 117, 91) }
```

Border

The CSS property to change the border of an element to Yxy 22.0240, 0.4159, 0.3690 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(170, 117, 91) }
```

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

```
.border{ border-color:rgb(170, 117, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 117, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 117, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 117, 91);  
box-shadow:4px 4px 4px 4px rgb(170, 117,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0240, 0.4159, 0.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 117, 91) }
```

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

```
.background{ background-color: rgb(170,  
117, 91) }
```

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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