

Converting Colors

$Y_{xy}(22.4324, 0.4654, 0.4141)$

Have a look what the booklet for
Yxy(22.4324, 0.4654, 0.4141)
contains.

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Color

Yxy(22.3360, 0.4662, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	B17536
RGB	177, 117, 54
RGB Percent	69%, 46%, 21%
CMY	0.3059, 0.5412, 0.7884
CMYK	0.00, 0.34, 0.70, 0.31
HSL	31°, 53%, 45%
HSV	31°, 70%, 69%
XYZ	25.1584, 22.3360, 6.4704
YIQ	127.7580, 55.9830, -6.8730

Conversions

Conversions Part 2

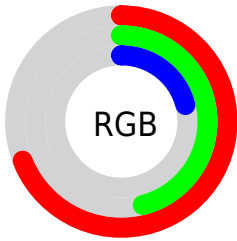
Format	Color
R_{YB}	171, 177, 54
Decimal	11629878
CIE Lab	54.38, 17.66, 43.30
CIE LCh	54, 46.766, 67.807
Yxy	22.3360, 0.4662, 0.4139
Android (android.graphics.Color)	4289819958 (0xFFB17536)
YUV	127.7580, -36.3627, 43.1852
Hunter-Lab	47.2610, 12.3139, 24.9655

Details

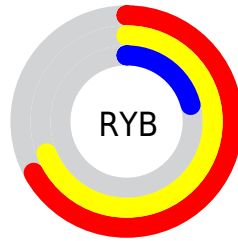
The Yxy color **22.3360, 0.4662, 0.4139** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.9831, 0.2054, 0.2122**, and the grayscale version is **21.6114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2083, 0.4346, 0.4001**, and **8.2537, 0.5130, 0.4284** is the 20% darker color. If you saturate the color by 10%, you get **20.2806, 0.4920, 0.4183**, and if you desaturate by 10%, it is **24.6397, 0.4395, 0.4055**.

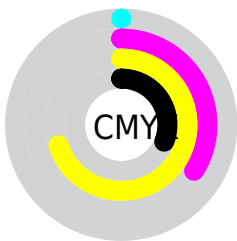
Distribution



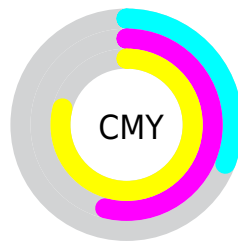
- Red (69%)
- Green (46%)
- Blue (21%)



- Red (67%)
- Yellow (69%)
- Blue (21%)



- Cyan (0%)
- Magenta (34%)
- Yellow (70%)
- Black (31%)





- Cyan (31%)
- Magenta (54%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3360, 0.4662, 0.4139 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 22.3360, 0.4662, 0.4139 by changing the saturation by 10% instead.


 22.3360, 0.4662,
0.4139


 22.3360, 0.4662,
0.4139


264.2960, 0.3828,
0.3734


 14.1040, 0.4875,
0.4212


 47.3007, 0.4350,
0.4007


 8.1930, 0.5138,
0.4275

 64.8022, 0.4235,
0.3951


 4.2187, 0.5595,
0.4405

 86.1623, 0.4138,
0.3903

 1.7966, 0.5815,
0.4185

 111.7654, 0.4057,
0.3860

 0.4851, 0.6481,
0.3519

 141.9960, 0.3987,
0.3823

 0.0000, 0.0000,
0.0000

 177.2383, 0.3926,

0.3789

217.8768, 0.3874,
0.3760

■ 22.3360, 0.4662,
0.4139

■ 22.3360, 0.4662,
0.4139

■ 20.2806, 0.4920,
0.4183

■ 24.6397, 0.4395,
0.4055

■ 18.4580, 0.5154,
0.4176

■ 27.1989, 0.4133,
0.3942

■ 16.8506, 0.5356,
0.4124

■ 30.0246, 0.3886,
0.3814

■ 16.7770, 0.5366,
0.4121

■ 33.1260, 0.3660,
0.3678

■ 36.5116, 0.3458,
0.3541

■ 40.1895, 0.3278,
0.3409

■ 44.1677, 0.3120,
0.3284

■ 48.4534, 0.2982,
0.3167

■ 53.0539, 0.2861,
0.3059

Harmonies

Analogous

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



22.3360, 0.4747, 0.3537



22.3360, 0.4662, 0.4139



22.3360, 0.4150, 0.4653

Triad

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



22.3360, 0.4662, 0.4139



22.3360, 0.2031, 0.3512



22.3360, 0.2672, 0.2144

Complementary

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



22.3360, 0.4662, 0.4139



15.9831, 0.2054, 0.2122

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.



22.3360, 0.2071, 0.2047



22.3360, 0.4662, 0.4139



22.3360, 0.1739, 0.2702

Square

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



22.3360, 0.4662, 0.4139



22.3360, 0.2629, 0.4390



22.3360, 0.1759, 0.2215



22.3360, 0.3498, 0.2466

Rectangle

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



22.3360, 0.4662, 0.4139



22.3360, 0.3668, 0.4827



22.3360, 0.1759, 0.2215



22.3360, 0.2441, 0.2085

Sweetspot

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



22.3371, 0.4662, 0.4139



64.2312, 0.3493, 0.3566



13.2311, 0.4216, 0.2472



13.5619, 0.3546, 0.3603



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.3371, 0.4662, 0.4139



34.6690, 0.5039, 0.4186



41.0587, 0.4053, 0.4821



9.2012, 0.3275, 0.3407



12.2772, 0.5350, 0.4134



0.5026, 0.4946, 0.4455

Inverse Universe

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



15.9831, 0.2054, 0.2122



22.5921, 0.1886, 0.1829



6.5924, 0.1805, 0.1105



8.8914, 0.2985, 0.3170



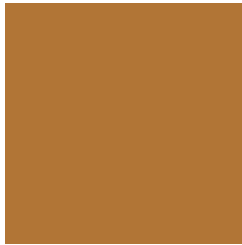
7.2788, 0.1767, 0.1561



0.3460, 0.1912, 0.2082

Previews

White Background



This preview shows how the Yxy color 22.3360, 0.4662, 0.4139 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 22.3360, 0.4662, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

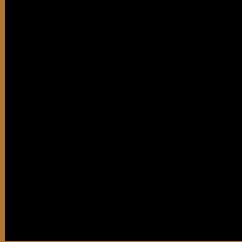
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3360, 0.4662, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 22.3360, 0.4662, 0.4139.



This preview shows how white text looks on a background with the Yxy color 22.3360, 0.4662, 0.4139.

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

22.3360, 0.4662, 0.4139

Protanopia

22.5578, 0.4080, 0.4477

Deuteranopia

22.3446, 0.4419, 0.4344



Tritanopia

22.2836, 0.3977, 0.3176

Trichromacy



Original Color

22.3360, 0.4662, 0.4139

Protanomaly

22.3852, 0.4291, 0.4345

Deuteranomaly

22.1473, 0.4506, 0.4261

Tritanomaly

22.3398, 0.4262, 0.3554

Monochromacy



Original Color

22.3360, 0.4662, 0.4139

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4659, 0.3679, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3360, 0.4662, 0.4139 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(177, 117, 54)` looks like.

```
.text, #text, p{  
    color:rgb(177, 117, 54)  
}
```

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(177, 117, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 117, 54) }
```

Border

The CSS property to change the border of an element to Yxy 22.3360, 0.4662, 0.4139 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(177, 117, 54) }
```

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

```
.border{ border-color:rgb(177, 117, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 117, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 117, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 117, 54);  
box-shadow:4px 4px 4px 4px rgb(177, 117,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3360, 0.4662, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 117, 54) }
```

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

```
.background{ background-color: rgb(177,  
117, 54) }
```

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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