

Converting Colors

$Y_{xy}(24.5689, 0.4364, 0.4207)$

Have a look what the booklet for
Yxy(24.5689, 0.4364, 0.4207)
contains.

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Color

Yxy(24.4779, 0.4366, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	AB8041
RGB	171, 128, 65
RGB Percent	67%, 50%, 25%
CMY	0.3295, 0.4980, 0.7452
CMYK	0.00, 0.25, 0.62, 0.33
HSL	36°, 45%, 46%
HSV	36°, 62%, 67%
XYZ	25.4635, 24.4779, 8.3809
YIQ	133.6750, 45.8510, -10.4770

Conversions

Conversions Part 2

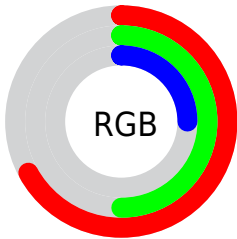
Format	Color
R_{YB}	137, 171, 65
Decimal	11239489
CIELab	56.56, 9.55, 40.03
CIElCh	57, 41.157, 76.576
Yxy	24.4779, 0.4366, 0.4197
Android (android.graphics.Color)	4289429569 (0xFFAB8041)
YUV	133.6750, -33.8568, 32.7340
Hunter-Lab	49.4751, 5.2877, 24.5891

Details

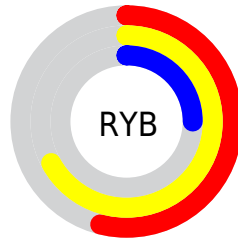
The Yxy color **24.4779, 0.4366, 0.4197** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.7758, 0.2119, 0.2104**, and the grayscale version is **23.8282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9436, 0.4115, 0.4037**, and **9.2742, 0.4745, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **22.5633, 0.4595, 0.4290**, and if you desaturate by 10%, it is **26.5784, 0.4133, 0.4073**.

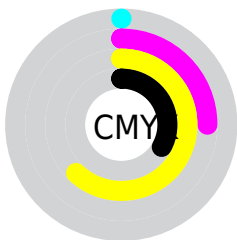
Distribution



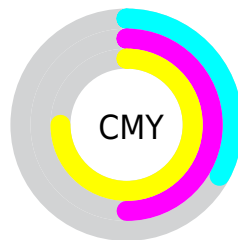
- Red (67%)
- Green (50%)
- Blue (25%)



- Red (54%)
- Yellow (67%)
- Blue (25%)



- Cyan (0%)
- Magenta (25%)
- Yellow (62%)
- Black (33%)




- Cyan (33%)
- Magenta (50%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4779, 0.4366, 0.4197 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 24.4779, 0.4366, 0.4197 by changing the saturation by 10% instead.


 24.4779, 0.4366,
0.4197


 24.4779, 0.4366,
0.4197


275.2278, 0.3700,
0.3737


 15.6885, 0.4536,
0.4299


 50.8089, 0.4118,
0.4035


 9.3040, 0.4749,
0.4414


 69.1194, 0.4025,
0.3972


 4.9400, 0.5058,
0.4569

 91.3723, 0.3949,
0.3918

 2.2121, 0.5366,
0.4634

 117.9521, 0.3883,
0.3872

 0.7266, 0.5605,
0.4395

 149.2431, 0.3827,
0.3831

 0.0000, 0.0000,
0.0000

185.6298, 0.3779,

0.3796

227.4966, 0.3737,
0.3765

■ 24.4779, 0.4366,
0.4197

■ 24.4779, 0.4366,
0.4197

■ 22.5633, 0.4595,
0.4290

■ 26.5784, 0.4133,
0.4073

■ 20.8229, 0.4808,
0.4340

■ 28.8684, 0.3906,
0.3929

■ 19.2487, 0.4994,
0.4340

■ 31.3559, 0.3692,
0.3774

■ 18.0946, 0.5126,
0.4312

■ 34.0471, 0.3495,
0.3618

■ 36.9479, 0.3317,
0.3465

■ 40.0640, 0.3157,
0.3318

■ 43.4007, 0.3015,
0.3180

■ 46.9630, 0.2889,
0.3052

■ 50.7559, 0.2778,
0.2934

Harmonies

Analogous

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



24.4779, 0.4544, 0.3687



24.4779, 0.4366, 0.4197



24.4779, 0.3857, 0.4552

Triad

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



24.4779, 0.4366, 0.4197



24.4779, 0.2073, 0.3269



24.4779, 0.2936, 0.2349

Complementary

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



24.4779, 0.4366, 0.4197



14.7758, 0.2119, 0.2104

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.



24.4779, 0.2339, 0.2203



24.4779, 0.4366, 0.4197



24.4779, 0.1889, 0.2641

Square

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



24.4779, 0.4366, 0.4197



24.4779, 0.2533, 0.4019



24.4779, 0.1982, 0.2288



24.4779, 0.3665, 0.2687

Rectangle

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



24.4779, 0.4366, 0.4197



24.4779, 0.3416, 0.4592



24.4779, 0.1982, 0.2288



24.4779, 0.2714, 0.2277

Sweetspot

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



24.4791, 0.4366, 0.4197



62.3395, 0.3446, 0.3577



13.5412, 0.4207, 0.2656



13.5880, 0.3498, 0.3620



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.



24.4791, 0.4366, 0.4197



39.3543, 0.4668, 0.4312



37.1943, 0.3892, 0.4756



8.7773, 0.3272, 0.3425



13.7502, 0.5114, 0.4321



0.4863, 0.4769, 0.4596

Inverse Universe

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



14.7758, 0.2119, 0.2104



20.6265, 0.1931, 0.1800



8.1666, 0.2019, 0.1369



8.2702, 0.2986, 0.3152



5.5518, 0.1696, 0.1306



0.2636, 0.1870, 0.1932

Previews

White Background



This preview shows how the Yxy color 24.4779, 0.4366, 0.4197 looks on a white background.

Color Contrast Check

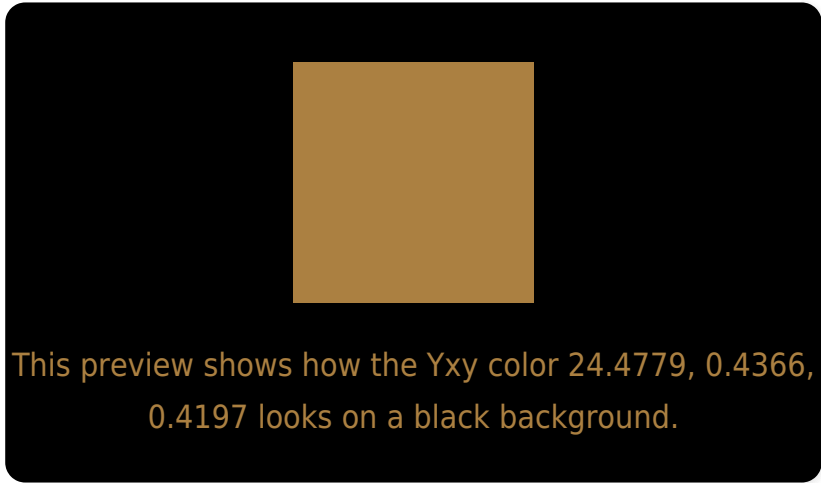
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

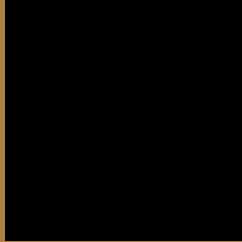
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4779, 0.4366, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 24.4779, 0.4366, 0.4197.



This preview shows how white text looks on a background with the Yxy color 24.4779, 0.4366, 0.4197.

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

24.4779, 0.4366, 0.4197

Protanopia

24.5097, 0.4008, 0.4380

Deuteranopia

24.4070, 0.4320, 0.4226



Tritanopia

24.5166, 0.3707, 0.3158

Trichromacy



Original Color

24.4779, 0.4366, 0.4197

Protanomaly

24.4494, 0.4142, 0.4309

Deuteranomaly

24.5172, 0.4332, 0.4221

Tritanomaly

24.4546, 0.3972, 0.3563

Monochromacy



Original Color

24.4779, 0.4366, 0.4197

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8097, 0.3562, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4779, 0.4366, 0.4197 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(171, 128, 65)` looks like.

```
.text, #text, p{  
    color:rgb(171, 128, 65)  
}
```

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(171, 128, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 128, 65) }
```

Border

The CSS property to change the border of an element to Yxy 24.4779, 0.4366, 0.4197 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(171, 128, 65) }
```

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

```
.border{ border-color:rgb(171, 128, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 128, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 128, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 128, 65);  
box-shadow:4px 4px 4px 4px rgb(171, 128,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4779, 0.4366, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 128, 65) }
```

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

```
.background{ background-color: rgb(171,  
128, 65) }
```

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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