

Converting Colors

$Y_{xy}(24.8515, 0.4576, 0.4674)$

Have a look what the booklet for
Yxy(24.8515, 0.4576, 0.4674)
contains.

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Color

Yxy(24.7554, 0.4579, 0.4669)

Conversions

Conversions Part 1

Format	Color
Hex	A78410
RGB	167, 132, 16
RGB Percent	65%, 52%, 6%
CMY	0.3452, 0.4823, 0.9374
CMYK	0.00, 0.21, 0.90, 0.35
HSL	46°, 83%, 36%
HSV	46°, 90%, 65%
XYZ	24.2782, 24.7554, 3.9872
YIQ	129.2410, 58.0960, -28.6560

Conversions

Conversions Part 2

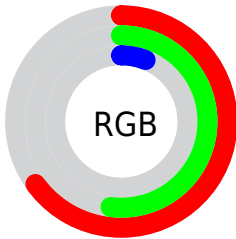
Format	Color
R_{YB}	62, 167, 16
Decimal	10978320
CIE _{Lab}	56.84, 3.30, 59.17
CIE _{LCh}	57, 59.257, 86.811
Yxy	24.7554, 0.4579, 0.4669
Android (android.graphics.Color)	4289168400 (0xFFA78410)
YUV	129.2410, -55.8278, 33.1146
Hunter-Lab	49.7548, 0.0295, 30.0771

Details

The Yxy color **24.7554, 0.4579, 0.4669** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.2611, 0.1649, 0.1037**, and the grayscale version is **22.2253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3747, 0.4335, 0.4456**, and **9.5015, 0.4678, 0.4667** is the 20% darker color. If you saturate the color by 10%, you get **23.7343, 0.4668, 0.4676**, and if you desaturate by 10%, it is **25.8956, 0.4464, 0.4626**.

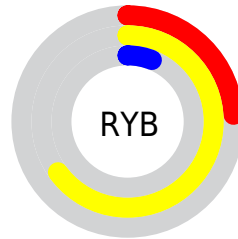
Distribution



Red (65%)

Green (52%)

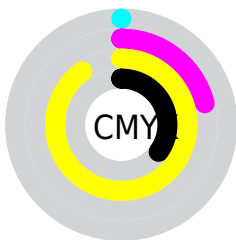
Blue (6%)



Red (24%)

Yellow (65%)

Blue (6%)

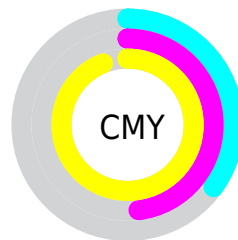


Cyan (0%)

Magenta (21%)

Yellow (90%)

Black (35%)



Cyan (35%)


Magenta (48%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7554, 0.4579, 0.4669 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 24.7554, 0.4579, 0.4669 by changing the saturation by 10% instead.


 24.7554, 0.4579,
0.4669


 24.7554, 0.4579,
0.4669


276.6176, 0.3857,
0.4001


 15.8949, 0.4722,
0.4791


 51.2601, 0.4336,
0.4451


 9.4498, 0.4902,
0.4940


 69.6732, 0.4237,
0.4359


 5.0357, 0.5006,
0.4994

 92.0392, 0.4151,
0.4279

 2.2682, 0.5046,
0.4954

 118.7426, 0.4076,
0.4209

 0.7568, 0.5138,
0.4862


 150.1677, 0.4010,
0.4147

 0.0000, 0.0000,
0.0000


 186.6990, 0.3953,


0.4093


 228.7208, 0.3902,
0.4044


 24.7554, 0.4579,
0.4669


 24.7554, 0.4579,
0.4669

 23.7343, 0.4668,
0.4676

 25.8956, 0.4464,
0.4626

 27.1202, 0.4322,
0.4537

 28.4368, 0.4160,
0.4408

 29.8510, 0.3984,
0.4248

 31.3677, 0.3803,
0.4067

■ 32.9915, 0.3623,
0.3874

■ 34.7263, 0.3449,
0.3678

■ 36.5761, 0.3286,
0.3484

■ 38.5445, 0.3134,
0.3298

Harmonies

Analogous

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



24.7554, 0.5070, 0.3972



24.7554, 0.4579, 0.4669



24.7554, 0.3753, 0.5157

Triad

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



24.7554, 0.4579, 0.4669



24.7554, 0.1566, 0.2866



24.7554, 0.3177, 0.2153

Complementary

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



24.7554, 0.4579, 0.4669



5.2611, 0.1649, 0.1037

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.



24.7554, 0.2274, 0.1873



24.7554, 0.4579, 0.4669



24.7554, 0.1477, 0.2155

Square

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



24.7554, 0.4579, 0.4669



24.7554, 0.2021, 0.3979



24.7554, 0.1709, 0.1856



24.7554, 0.4229, 0.2651

Rectangle

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



24.7554, 0.4579, 0.4669



24.7554, 0.3130, 0.5135



24.7554, 0.1709, 0.1856



24.7554, 0.2844, 0.2032

Sweetspot

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



24.7566, 0.4579, 0.4669



59.9955, 0.3571, 0.3816



8.8239, 0.5664, 0.2989



13.2042, 0.3629, 0.3880



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.



24.7566, 0.4579, 0.4669



42.1894, 0.4678, 0.4668



32.1582, 0.3752, 0.5335



8.4749, 0.3267, 0.3463



18.2428, 0.4662, 0.4680



0.5140, 0.4480, 0.4825

Inverse Universe

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



5.2611, 0.1649, 0.1037



7.2944, 0.1566, 0.0837



4.0064, 0.1772, 0.0807



7.5720, 0.2986, 0.3111



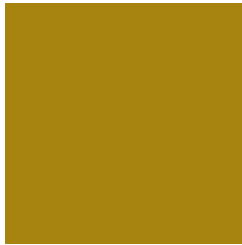
3.2933, 0.1577, 0.0878



0.1545, 0.1747, 0.1490

Previews

White Background



This preview shows how the Yxy color 24.7554, 0.4579, 0.4669 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 24.7554, 0.4579, 0.4669 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 24.7554, 0.4579, 0.4669

Background



This preview shows how black text looks on a background with the Yxy color 24.7554, 0.4579, 0.4669.



This preview shows how white text looks on a background with the Yxy color 24.7554, 0.4579, 0.4669.

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

24.7554, 0.4579, 0.4669

Protanopia

24.8050, 0.4357, 0.4829

Deuteranopia

24.8932, 0.4667, 0.4588



Tritanopia

24.8305, 0.3650, 0.3157

Trichromacy



Original Color

24.7554, 0.4579, 0.4669

Protanomaly

24.7393, 0.4444, 0.4767

Deuteranomaly

24.9310, 0.4635, 0.4620

Tritanomaly

24.3178, 0.4116, 0.3835

Monochromacy



Original Color

24.7554, 0.4579, 0.4669

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.5095, 0.3760, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7554, 0.4579, 0.4669 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(167, 132, 16)` looks like.

```
.text, #text, p{  
    color:rgb(167, 132, 16)  
}
```

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(167, 132, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 132, 16) }
```

Border

The CSS property to change the border of an element to Yxy 24.7554, 0.4579, 0.4669 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(167, 132, 16) }
```

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

```
.border{ border-color:rgb(167, 132, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 132, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 132, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 132, 16);  
box-shadow:4px 4px 4px 4px rgb(167, 132,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7554, 0.4579, 0.4669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 132, 16) }
```

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

```
.background{ background-color: rgb(167,  
132, 16) }
```

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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