

Converting Colors

$Y_{xy}(24.9503, 0.4173, 0.3518)$

Have a look what the booklet for
Yxy(24.9503, 0.4173, 0.3518)
contains.

Yxy(24.8715, 0.4169, 0.3519)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8715, 0.4169, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	BA7868
RGB	186, 120, 104
RGB Percent	73%, 47%, 41%
CMY	0.2706, 0.5294, 0.5922
CMYK	0.00, 0.35, 0.44, 0.27
HSL	12°, 37%, 57%
HSV	12°, 44%, 73%
XYZ	29.4656, 24.8715, 16.3407
YIQ	137.9100, 44.4720, 9.0160

Conversions

Conversions Part 2

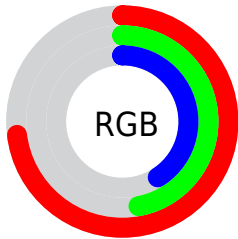
Format	Color
R _Y B	186, 124, 104
Decimal	12220520
CIE Lab	56.95, 23.96, 19.49
CIE LCh	57, 30.887, 39.130
Yxy	24.8715, 0.4169, 0.3519
Android (android.graphics.Color)	4290410600 (0xFFBA7868)
YUV	137.9100, -16.7176, 42.1749
Hunter-Lab	49.8713, 18.1886, 15.4831

Details

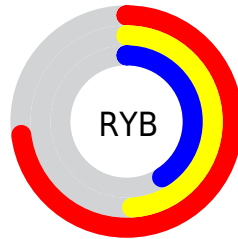
The Yxy color $24.8715, 0.4169, 0.3519$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $35.2340, 0.2497, 0.3040$, and the grayscale version is $25.4321, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.4868, 0.3943, 0.3490$, and $9.5477, 0.4549, 0.3560$ is the 20% darker color. If you saturate the color by 10%, you get $21.2120, 0.4530, 0.3564$, and if you desaturate by 10%, it is $29.1796, 0.3857, 0.3467$.

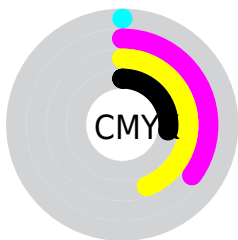
Distribution



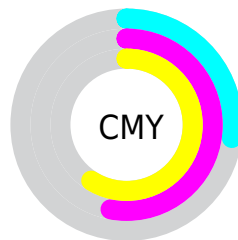
- Red (73%)
- Green (47%)
- Blue (41%)



- Red (73%)
- Yellow (49%)
- Blue (41%)



- Cyan (0%)
- Magenta (35%)
- Yellow (44%)
- Black (27%)





- Cyan (27%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8715, 0.4169, 0.3519 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 24.8715, 0.4169, 0.3519 by changing the saturation by 10% instead.


 24.8715, 0.4169,
0.3519

 24.8715, 0.4169,
0.3519


277.1974, 0.3589,
0.3415


 15.9813, 0.4335,
0.3538


 51.4487, 0.3943,
0.3485


 9.5110, 0.4560,
0.3556


 69.9045, 0.3863,
0.3471

 5.0759, 0.4882,
0.3565

 92.3177, 0.3797,
0.3459

 2.2919, 0.5391,
0.3554

 119.0726, 0.3742,
0.3448

 0.7694, 0.6471,
0.3529

150.5536, 0.3695,
0.3438

 0.0000, 1.0000,
0.0000

187.1451, 0.3655,

 0.0000, 0.0000,

0.3429

0.0000

229.2316, 0.3620,
0.3421

■ 24.8715, 0.4169,
0.3519

■ 24.8715, 0.4169,
0.3519

■ 21.2120, 0.4530,
0.3564

■ 29.1796, 0.3857,
0.3467

■ 18.1660, 0.4929,
0.3593

■ 34.1622, 0.3593,
0.3413

■ 15.7001, 0.5343,
0.3599

■ 39.8480, 0.3374,
0.3360


■ 13.7767, 0.5730,
0.3571

■ 46.2630, 0.3192,
0.3309


■ 12.3530, 0.6041,
0.3510


■ 53.4320, 0.3042,
0.3263

 11.7212, 0.6186,
0.3470

 61.3784, 0.2917,
0.3221

 70.1249, 0.2813,
0.3182

 79.6928, 0.2726,
0.3147

 89.0019, 0.2731,
0.3286

Harmonies

Analogous

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



24.8715, 0.3895, 0.3104



24.8715, 0.4169, 0.3519



24.8715, 0.4129, 0.3919

Triad

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



24.8715, 0.4169, 0.3519



24.8715, 0.2804, 0.3938



24.8715, 0.2438, 0.2449

Complementary

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



24.8715, 0.4169, 0.3519



35.2340, 0.2497, 0.3040

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.



24.8715, 0.2203, 0.2579



24.8715, 0.4169, 0.3519



24.8715, 0.2396, 0.3423

Square

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



24.8715, 0.4169, 0.3519



24.8715, 0.3321, 0.4234



24.8715, 0.2187, 0.2918



24.8715, 0.2864, 0.2515

Rectangle

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



24.8715, 0.4169, 0.3519



24.8715, 0.3941, 0.4128



24.8715, 0.2187, 0.2918



24.8715, 0.2336, 0.2469

Sweetspot

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



24.8727, 0.4169, 0.3519



73.1902, 0.3356, 0.3355



23.2771, 0.3351, 0.2397



15.5829, 0.3401, 0.3367



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



24.8727, 0.4169, 0.3519



38.5775, 0.4521, 0.3563



36.5926, 0.3916, 0.4056



9.2886, 0.3283, 0.3335



7.9706, 0.6166, 0.3486



0.3665, 0.5690, 0.3864

Inverse Universe

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



35.2340, 0.2497, 0.3040



59.7122, 0.2383, 0.2974



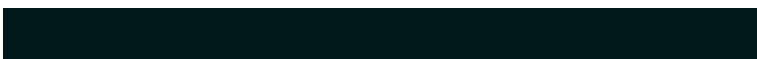
22.4424, 0.2384, 0.2373



9.9046, 0.2985, 0.3244



17.0972, 0.2072, 0.2660



0.6800, 0.2122, 0.2840

Previews

White Background



This preview shows how the Yxy color 24.8715, 0.4169, 0.3519 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 24.8715, 0.4169, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

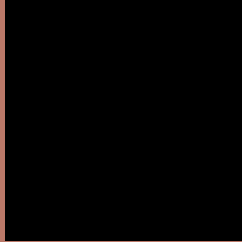
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8715, 0.4169, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 24.8715, 0.4169, 0.3519.



This preview shows how white text looks on a background with the Yxy color 24.8715, 0.4169, 0.3519.

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

24.8715, 0.4169, 0.3519

Protanopia

25.0809, 0.3486, 0.3713

Deuteranopia

24.8733, 0.3832, 0.3750



Tritanopia

24.9203, 0.3922, 0.3166

Trichromacy



Original Color

24.8715, 0.4169, 0.3519

Protanomaly

24.8103, 0.3726, 0.3643

Deuteranomaly

24.8159, 0.3954, 0.3657

Tritanomaly

24.8297, 0.4010, 0.3293

Monochromacy



Original Color

24.8715, 0.4169, 0.3519

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.7075, 0.3466, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8715, 0.4169, 0.3519 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(186, 120, 104)` looks like.

```
.text, #text, p{  
    color:rgb(186, 120, 104)  
}
```

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(186, 120, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 120, 104) }
```

Border

The CSS property to change the border of an element to Yxy 24.8715, 0.4169, 0.3519 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(186, 120, 104) }
```

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

```
.border{ border-color:rgb(186, 120, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 120, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 120, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 120, 104);  
box-shadow:4px 4px 4px 4px rgb(186, 120,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8715, 0.4169, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 120, 104) }
```

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

```
.background{ background-color: rgb(186,  
120, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor