

Converting Colors

$Y_{xy}(22.0453, 0.4162, 0.3510)$

Have a look what the booklet for
Yxy(22.0453, 0.4162, 0.3510)
contains.

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Color

Yxy(21.9412, 0.4159, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	B07163
RGB	176, 113, 99
RGB Percent	69%, 44%, 39%
CMY	0.3097, 0.5569, 0.6118
CMYK	0.00, 0.36, 0.44, 0.31
HSL	11°, 33%, 54%
HSV	11°, 44%, 69%
XYZ	26.0650, 21.9412, 14.6651
YIQ	130.2410, 42.0420, 9.0020

Conversions

Conversions Part 2

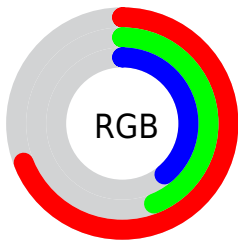
Format	Color
R_{YB}	176, 116, 99
Decimal	11563363
CIE _{Lab}	53.96, 23.27, 18.11
CIE _{LCh}	54, 29.489, 37.887
Yxy	21.9412, 0.4159, 0.3501
Android (android.graphics.Color)	4289753443 (0xFFB07163)
YUV	130.2410, -15.4018, 40.1306
Hunter-Lab	46.8414, 17.3540, 14.2266

Details

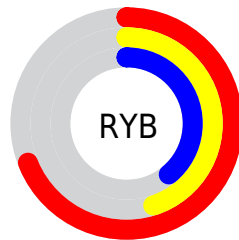
The Yxy color **21.9412, 0.4159, 0.3501** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.6369, 0.2506, 0.3061**, and the grayscale version is **22.4579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6047, 0.3931, 0.3464**, and **7.9797, 0.4582, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **18.6789, 0.4520, 0.3543**, and if you desaturate by 10%, it is **25.7891, 0.3847, 0.3453**.

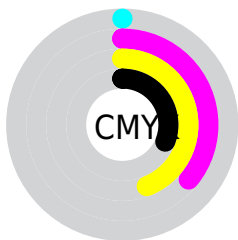
Distribution



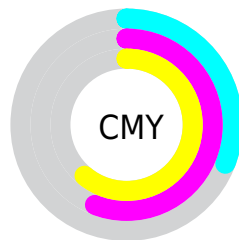
- Red (69%)
- Green (44%)
- Blue (39%)



- Red (69%)
- Yellow (45%)
- Blue (39%)



- Cyan (0%)
- Magenta (36%)
- Yellow (44%)
- Black (31%)





- Cyan (31%)
- Magenta (56%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9412, 0.4159, 0.3501 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 21.9412, 0.4159, 0.3501 by changing the saturation by 10% instead.


 21.9412, 0.4159,
0.3501

 21.9412, 0.4159,
0.3501


262.2391, 0.3574,
0.3404


 13.8137, 0.4331,
0.3519


 46.6488, 0.3928,
0.3469


 7.9912, 0.4570,
0.3534


 63.9977, 0.3847,
0.3456

 4.0893, 0.4918,
0.3538

 85.1891, 0.3780,
0.3445

 1.7237, 0.5571,
0.3566

 110.6076, 0.3725,
0.3434

 0.4389, 0.6936,
0.3064

140.6374, 0.3678,
0.3425

 0.0000, 0.0000,
0.0000

175.6630, 0.3638,

0.3417

216.0687, 0.3604,
0.3410

■ 21.9412, 0.4159,
0.3501

■ 21.9412, 0.4159,
0.3501

■ 18.6789, 0.4520,
0.3543

■ 25.7891, 0.3847,
0.3453

■ 15.9701, 0.4922,
0.3571

■ 30.2462, 0.3585,
0.3402

■ 13.7846, 0.5340,
0.3576

■ 35.3387, 0.3367,
0.3353

■ 12.0878, 0.5732,
0.3551


■ 41.0902, 0.3186,
0.3307


■ 10.8409, 0.6048,
0.3495

■ 47.5233, 0.3038,
0.3264

 10.2647, 0.6204,
0.3456

 54.6594, 0.2914,
0.3224

 62.5189, 0.2812,
0.3189

 71.1214, 0.2726,
0.3156

 80.3293, 0.2665,
0.3153

Harmonies

Analogous

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



21.9412, 0.3875, 0.3089



21.9412, 0.4159, 0.3501



21.9412, 0.4133, 0.3901

Triad

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



21.9412, 0.4159, 0.3501



21.9412, 0.2826, 0.3953



21.9412, 0.2427, 0.2453

Complementary

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



21.9412, 0.4159, 0.3501



31.6369, 0.2506, 0.3061

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.



21.9412, 0.2201, 0.2592



21.9412, 0.4159, 0.3501



21.9412, 0.2412, 0.3446

Square

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



21.9412, 0.4159, 0.3501



21.9412, 0.3342, 0.4234



21.9412, 0.2195, 0.2938



21.9412, 0.2844, 0.2512

Rectangle

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



21.9412, 0.4159, 0.3501



21.9412, 0.3953, 0.4114



21.9412, 0.2195, 0.2938



21.9412, 0.2329, 0.2477

Sweetspot

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



21.9423, 0.4159, 0.3501



64.5989, 0.3356, 0.3350



20.8067, 0.3332, 0.2391



13.5416, 0.3400, 0.3361



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.



21.9423, 0.4159, 0.3501



33.7771, 0.4527, 0.3543



32.0565, 0.3913, 0.4031



8.7468, 0.3283, 0.3332



7.5935, 0.6188, 0.3469



0.3137, 0.5700, 0.3856

Inverse Universe

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



31.6369, 0.2506, 0.3061



53.6829, 0.2389, 0.2998



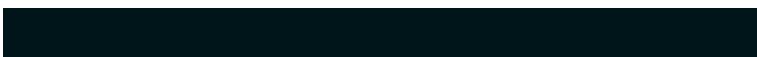
20.3723, 0.2397, 0.2408



9.3637, 0.2986, 0.3248



17.0171, 0.2085, 0.2707



0.6038, 0.2135, 0.2887

Previews

White Background



This preview shows how the Yxy color 21.9412, 0.4159, 0.3501 looks on a white background.

Color Contrast Check

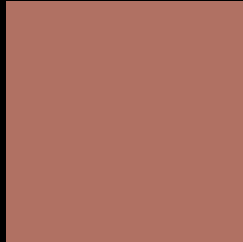
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9412, 0.4159, 0.3501 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 21.9412, 0.4159, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 21.9412, 0.4159, 0.3501.



This preview shows how white text looks on a background with the Yxy color 21.9412, 0.4159, 0.3501.

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

21.9412, 0.4159, 0.3501

Protanopia

22.0804, 0.3472, 0.3682

Deuteranopia

22.0507, 0.3818, 0.3742



Tritanopia

21.9248, 0.3939, 0.3174

Trichromacy



Original Color

21.9412, 0.4159, 0.3501

Protanomaly

21.7447, 0.3711, 0.3612

Deuteranomaly

21.8919, 0.3933, 0.3646

Tritanomaly

21.8637, 0.4019, 0.3293

Monochromacy



Original Color

21.9412, 0.4159, 0.3501

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9503, 0.3471, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9412, 0.4159, 0.3501 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(176, 113, 99)` looks like.

```
.text, #text, p{  
    color:rgb(176, 113, 99)  
}
```

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(176, 113, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 113, 99) }
```

Border

The CSS property to change the border of an element to Yxy 21.9412, 0.4159, 0.3501 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(176, 113, 99) }
```

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

```
.border{ border-color:rgb(176, 113, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 113, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 113, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 113, 99);  
box-shadow:4px 4px 4px 4px rgb(176, 113,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9412, 0.4159, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 113, 99) }
```

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

```
.background{ background-color: rgb(176,  
113, 99) }
```

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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