

Converting Colors

$Y_{xy}(21.4920, 0.3707, 0.3521)$

Have a look what the booklet for
Yxy(21.4920, 0.3707, 0.3521)
contains.

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Color

Yxy(21.5086, 0.3709, 0.3526)

Conversions

Conversions Part 1

Format	Color
Hex	99796B
RGB	153, 121, 107
RGB Percent	60%, 47%, 42%
CMY	0.4001, 0.5254, 0.5804
CMYK	0.00, 0.21, 0.30, 0.40
HSL	18°, 18%, 51%
HSV	18°, 30%, 60%
XYZ	22.6249, 21.5086, 16.8665
YIQ	128.9720, 23.5660, 2.4300

Conversions

Conversions Part 2

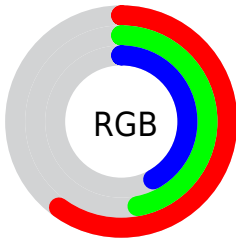
Format	Color
R_{YB}	153, 127, 107
Decimal	10058091
CIE Lab	53.50, 10.30, 12.42
CIE LCh	54, 16.133, 50.332
Yxy	21.5086, 0.3709, 0.3526
Android (android.graphics.Color)	4288248171 (0xFF99796B)
YUV	128.9720, -10.8322, 21.0726
Hunter-Lab	46.3774, 5.9197, 10.9016

Details

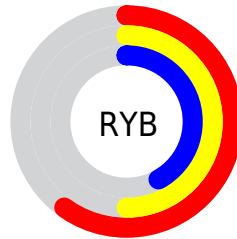
The Yxy color $21.5086, 0.3709, 0.3526$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $23.8780, 0.2678, 0.3040$, and the grayscale version is $21.9750, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.7657, 0.3581, 0.3478$, and $7.7277, 0.3945, 0.3587$ is the 20% darker color. If you saturate the color by 10%, you get $18.7715, 0.3972, 0.3608$, and if you desaturate by 10%, it is $24.5896, 0.3483, 0.3444$.

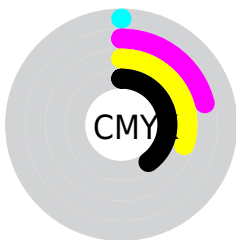
Distribution



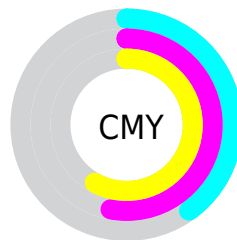
- Red (60%)
- Green (47%)
- Blue (42%)



- Red (60%)
- Yellow (50%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (30%)
- Black (40%)





- Cyan (40%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5086, 0.3709, 0.3526 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 21.5086, 0.3709, 0.3526 by changing the saturation by 10% instead.

 21.5086, 0.3709,
0.3526


 21.5086, 0.3709,
0.3526


259.9692, 0.3378,
0.3399


 13.4963, 0.3808,
0.3560


 45.9325, 0.3578,
0.3478

 7.7712, 0.3947,
0.3605


 63.1128, 0.3532,
0.3461

 3.9489, 0.4154,
0.3665

 84.1179, 0.3495,
0.3446

 1.6450, 0.4510,
0.3756

 109.3322, 0.3463,
0.3434

 0.3877, 0.6152,
0.3848

139.1401, 0.3437,
0.3423

 0.0000, 0.0000,
0.0000

173.9260, 0.3415,

0.3414

214.0742, 0.3395,
0.3406

■ 21.5086, 0.3709,
0.3526

■ 21.5086, 0.3709,
0.3526

■ 18.7715, 0.3972,
0.3608

■ 24.5896, 0.3483,
0.3444

■ 16.3632, 0.4274,
0.3684

■ 28.0231, 0.3291,
0.3365

■ 14.2716, 0.4610,
0.3747

■ 31.8210, 0.3128,
0.3290

■ 12.4829, 0.4968,
0.3786

■ 35.9940, 0.2991,
0.3222

■ 10.9820, 0.5325,
0.3789

■ 40.5520, 0.2874,
0.3158

■ 9.7524, 0.5649,
0.3749

■ 45.5048, 0.2775,
0.3100

■ 8.7748, 0.5925,
0.3678

■ 50.8617, 0.2690,
0.3048

■ 56.6317, 0.2618,
0.3000

■ 62.8236, 0.2555,
0.2956

Harmonies

Analogous

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



21.5086, 0.3619, 0.3284



21.5086, 0.3709, 0.3526



21.5086, 0.3634, 0.3722

Triad

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



21.5086, 0.3709, 0.3526



21.5086, 0.2858, 0.3542



21.5086, 0.2822, 0.2809

Complementary

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



21.5086, 0.3709, 0.3526



23.8780, 0.2678, 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.



21.5086, 0.2637, 0.2851



21.5086, 0.3709, 0.3526



21.5086, 0.2657, 0.3265

Square

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



21.5086, 0.3709, 0.3526



21.5086, 0.3137, 0.3747



21.5086, 0.2578, 0.3013



21.5086, 0.3096, 0.2883

Rectangle

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



21.5086, 0.3709, 0.3526



21.5086, 0.3505, 0.3796



21.5086, 0.2578, 0.3013



21.5086, 0.2748, 0.2809

Sweetspot

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



21.5096, 0.3709, 0.3526



50.7751, 0.3275, 0.3358



19.1535, 0.3333, 0.2768



11.0187, 0.3299, 0.3368



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



21.5096, 0.3709, 0.3526



35.2035, 0.3880, 0.3581



27.7124, 0.3606, 0.3885



6.5146, 0.3276, 0.3358



7.3075, 0.5911, 0.3688



0.1681, 0.5188, 0.4263

Inverse Universe

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



23.8780, 0.2678, 0.3040



40.1253, 0.2583, 0.2976



17.9591, 0.2632, 0.2615



6.7085, 0.2989, 0.3221



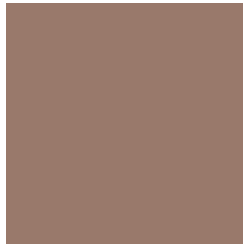
10.5411, 0.1969, 0.2288



0.2208, 0.2106, 0.2780

Previews

White Background



This preview shows how the Yxy color 21.5086, 0.3709, 0.3526 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 21.5086, 0.3709, 0.3526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

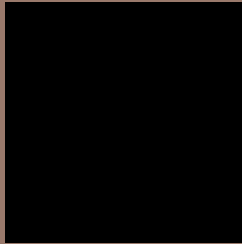
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5086, 0.3709, 0.3526

Background



This preview shows how black text looks on a background with the Yxy color 21.5086, 0.3709, 0.3526.



This preview shows how white text looks on a background with the Yxy color 21.5086, 0.3709, 0.3526.

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

21.5086, 0.3709, 0.3526

Protanopia

21.6325, 0.3403, 0.3614

Deuteranopia

21.5234, 0.3635, 0.3565



Tritanopia

21.4577, 0.3491, 0.3144

Trichromacy



Original Color

21.5086, 0.3709, 0.3526

Protanomaly

21.4341, 0.3513, 0.3572

Deuteranomaly

21.4646, 0.3666, 0.3546

Tritanomaly

21.4197, 0.3564, 0.3275

Monochromacy



Original Color

21.5086, 0.3709, 0.3526

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7055, 0.3330, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5086, 0.3709, 0.3526 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(153, 121, 107)` looks like.

```
.text, #text, p{  
    color:rgb(153, 121, 107)  
}
```

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(153, 121, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 121, 107) }
```

Border

The CSS property to change the border of an element to Yxy 21.5086, 0.3709, 0.3526 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(153, 121, 107) }
```

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

```
.border{ border-color:rgb(153, 121, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 121, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 121, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 121, 107);  
box-shadow:4px 4px 4px 4px rgb(153, 121,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5086, 0.3709, 0.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 121, 107) }
```

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

```
.background{ background-color: rgb(153,  
121, 107) }
```

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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