

Converting Colors

$Y_{xy}(19.7673, 0.3525, 0.3254)$

Have a look what the booklet for
Yxy(19.7673, 0.3525, 0.3254)
contains.

Yxy(19.7489, 0.3525, 0.3257)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7489, 0.3525, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	937375
RGB	147, 115, 117
RGB Percent	58%, 45%, 46%
CMY	0.4235, 0.5490, 0.5412
CMYK	0.00, 0.22, 0.20, 0.42
HSL	356°, 13%, 51%
HSV	356°, 22%, 58%
XYZ	21.3739, 19.7489, 19.5124
YIQ	124.7960, 18.4300, 7.4060

Conversions

Conversions Part 2

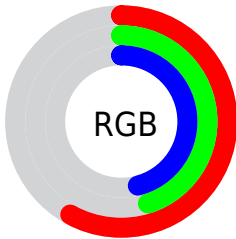
Format	Color
R_{YB}	147, 115, 117
Decimal	9663349
CIE _{Lab}	51.55, 12.88, 3.71
CIE _{LCh}	52, 13.406, 16.072
Yxy	19.7489, 0.3525, 0.3257
Android (android.graphics.Color)	4287853429 (0xFF937375)
YUV	124.7960, -3.8434, 19.4729
Hunter-Lab	44.4397, 8.0826, 5.0750

Details

The Yxy color **19.7489, 0.3525, 0.3257** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.5576, 0.2831, 0.3324**, and the grayscale version is **20.4449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9195, 0.3429, 0.3266**, and **6.9308, 0.3696, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **16.3594, 0.3780, 0.3241**, and if you desaturate by 10%, it is **23.7226, 0.3319, 0.3273**.

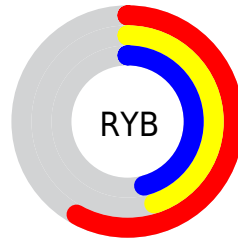
Distribution



Red (58%)

Green (45%)

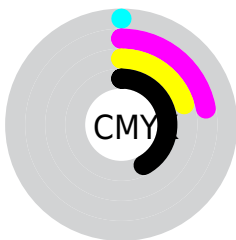
Blue (46%)



Red (58%)

Yellow (45%)

Blue (46%)

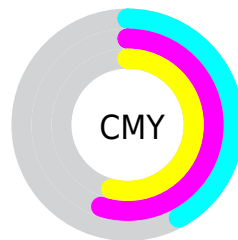


Cyan (0%)

Magenta (22%)

Yellow (20%)

Black (42%)



Cyan (42%)


Magenta (55%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7489, 0.3525, 0.3257 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 19.7489, 0.3525, 0.3257 by changing the saturation by 10% instead.


 19.7489, 0.3525,
0.3257


 19.7489, 0.3525,
0.3257


250.5525, 0.3297,
0.3278

 12.2127, 0.3595,
0.3249


 42.9958, 0.3433,
0.3266


 6.8887, 0.3695,
0.3238


 59.4752, 0.3402,
0.3269

 3.3926, 0.3848,
0.3217

 79.7045, 0.3376,
0.3272

 1.3400, 0.4113,
0.3177

 104.0680, 0.3355,
0.3273

 0.1718, 0.7355,
0.2645

132.9502, 0.3337,
0.3275

 0.0000, 0.0000,
0.0000

166.7354, 0.3321,

0.3276

205.8081, 0.3308,
0.3277

■ 19.7489, 0.3525,
0.3257

■ 19.7489, 0.3525,
0.3257

■ 16.3594, 0.3780,
0.3241

■ 23.7226, 0.3319,
0.3273

■ 13.5240, 0.4091,
0.3226

■ 28.3034, 0.3153,
0.3288

■ 11.2141, 0.4462,
0.3213

■ 33.5162, 0.3019,
0.3301

■ 9.3974, 0.4886,
0.3206

■ 39.3838, 0.2910,
0.3314

■ 8.0380, 0.5337,
0.3207

■ 45.9277, 0.2822,
0.3325

■ 7.0951, 0.5768,
0.3219

■ 53.1686, 0.2749,
0.3335

■ 6.5208, 0.6114,
0.3242

■ 61.1263, 0.2689,
0.3344

■ 6.2231, 0.6315,
0.3253

■ 69.8196, 0.2639,
0.3353

■ 79.2668, 0.2598,
0.3360

Harmonies

Analogous

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



19.7489, 0.3319, 0.3062



19.7489, 0.3525, 0.3257



19.7489, 0.3621, 0.3467

Triad

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



19.7489, 0.3525, 0.3257



19.7489, 0.3173, 0.3694



19.7489, 0.2692, 0.2928

Complementary

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



19.7489, 0.3525, 0.3257



26.5576, 0.2831, 0.3324

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.



19.7489, 0.2657, 0.3082



19.7489, 0.3525, 0.3257



19.7489, 0.2929, 0.3534

Square

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



19.7489, 0.3525, 0.3257



19.7489, 0.3412, 0.3730



19.7489, 0.2742, 0.3305



19.7489, 0.2838, 0.2875

Rectangle

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



19.7489, 0.3525, 0.3257



19.7489, 0.3608, 0.3591



19.7489, 0.2742, 0.3305



19.7489, 0.2667, 0.2969

Sweetspot

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



19.7498, 0.3525, 0.3257



46.1372, 0.3238, 0.3280



20.3768, 0.3126, 0.2763



10.4372, 0.3246, 0.3279



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



19.7498, 0.3525, 0.3257



32.3462, 0.3640, 0.3249



23.1072, 0.3503, 0.3526



5.8209, 0.3273, 0.3277



5.3965, 0.6309, 0.3249



0.0672, 0.5891, 0.3019

Inverse Universe

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



19.7498, 0.3525, 0.3257



32.3462, 0.3640, 0.3249



22.5640, 0.2797, 0.3042



5.8209, 0.3273, 0.3277



5.3965, 0.6309, 0.3249



0.0672, 0.5891, 0.3019

Previews

White Background



This preview shows how the Yxy color 19.7489, 0.3525, 0.3257 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 19.7489, 0.3525, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

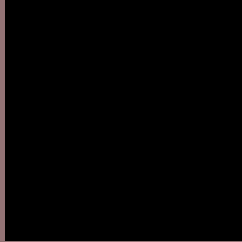
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7489, 0.3525, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 19.7489, 0.3525, 0.3257.



This preview shows how white text looks on a background with the Yxy color 19.7489, 0.3525, 0.3257.

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

19.7489, 0.3525, 0.3257

Protanopia

19.9820, 0.3187, 0.3327

Deuteranopia

19.7730, 0.3394, 0.3345



Tritanopia

19.7606, 0.3463, 0.3138

Trichromacy



Original Color

19.7489, 0.3525, 0.3257

Protanomaly

19.8573, 0.3304, 0.3291

Deuteranomaly

19.8805, 0.3449, 0.3326

Tritanomaly

19.7110, 0.3489, 0.3172

Monochromacy



Original Color

19.7489, 0.3525, 0.3257

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.0664, 0.3265, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7489, 0.3525, 0.3257 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(147, 115, 117)` looks like.

```
.text, #text, p{  
    color:rgb(147, 115, 117)  
}
```

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(147, 115, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 115, 117) }
```

Border

The CSS property to change the border of an element to Yxy 19.7489, 0.3525, 0.3257 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(147, 115, 117) }
```

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

```
.border{ border-color:rgb(147, 115, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 115, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 115, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 115, 117);  
box-shadow:4px 4px 4px 4px rgb(147, 115,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7489, 0.3525, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 115, 117) }
```

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

```
.background{ background-color: rgb(147,  
115, 117) }
```

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