

Converting Colors

$Y_{xy}(22.5158, 0.3457, 0.3515)$

Have a look what the booklet for
Yxy(22.5158, 0.3457, 0.3515)
contains.

Yxy(22.5158, 0.3457, 0.3515)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5158, 0.3457, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	8F8073
RGB	143, 128, 115
RGB Percent	56%, 50%, 45%
CMY	0.4391, 0.4981, 0.5490
CMYK	0.00, 0.11, 0.20, 0.44
HSL	28°, 11%, 51%
HSV	28°, 20%, 56%
XYZ	22.1443, 22.5158, 19.3963
YIQ	131.0030, 13.1130, -0.8630

Conversions

Conversions Part 2

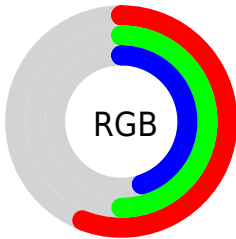
Format	Color
R_{YB}	143, 139, 115
Decimal	9404531
CIE Lab	54.57, 3.48, 9.14
CIE LCh	55, 9.780, 69.135
Yxy	22.5158, 0.3457, 0.3515
Android (android.graphics.Color)	4287594611 (0xFF8F8073)
YUV	131.0030, -7.8895, 10.5214
Hunter-Lab	47.4508, 0.2632, 8.9799

Details

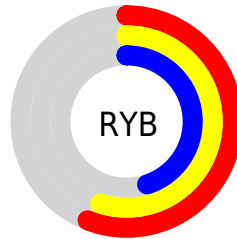
The Yxy color **22.5158, 0.3457, 0.3515** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.5998, 0.2830, 0.3054**, and the grayscale version is **22.7246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7081, 0.3382, 0.3468**, and **8.2725, 0.3580, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **20.2872, 0.3661, 0.3637**, and if you desaturate by 10%, it is **24.9487, 0.3278, 0.3397**.

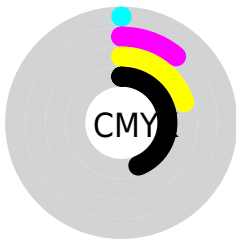
Distribution



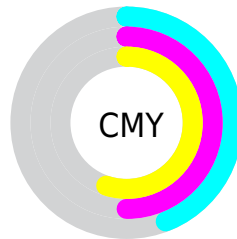
- Red (56%)
- Green (50%)
- Blue (45%)



- Red (56%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (11%)
- Yellow (20%)
- Black (44%)





- Cyan (44%)
- Magenta (50%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5158, 0.3457, 0.3515 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 22.5158, 0.3457, 0.3515 by changing the saturation by 10% instead.


 22.5158, 0.3457,
0.3515


 22.5158, 0.3457,
0.3515


265.2282, 0.3271,
0.3391


 14.2364, 0.3512,
0.3551


 47.5970, 0.3384,
0.3466

 8.2853, 0.3588,
0.3600


 65.1677, 0.3358,
0.3449

 4.2780, 0.3702,
0.3671

 86.6041, 0.3337,
0.3435

 1.8303, 0.3889,
0.3784

112.2909, 0.3320,
0.3423

 0.5059, 0.5280,
0.4720

142.6122, 0.3305,
0.3413

 0.0000, 0.0000,
0.0000

177.9527, 0.3292,

0.3405

218.6965, 0.3281,
0.3397

■ 22.5158, 0.3457,
0.3515

■ 22.5158, 0.3457,
0.3515

■ 20.2872, 0.3661,
0.3637

■ 24.9487, 0.3278,
0.3397

■ 18.2543, 0.3891,
0.3759

■ 27.5883, 0.3121,
0.3286

■ 16.4121, 0.4145,
0.3875

■ 30.4408, 0.2985,
0.3182

■ 14.7541, 0.4418,
0.3976

■ 33.5112, 0.2867,
0.3085

■ 13.2738, 0.4702,
0.4052

■ 36.8043, 0.2764,
0.2997

■ 11.9637, 0.4982,
0.4090

■ 40.3248, 0.2675,
0.2916

■ 10.8159, 0.5239,
0.4080

■ 44.0771, 0.2597,
0.2842

■ 9.8157, 0.5472,
0.4032

■ 48.0657, 0.2528,
0.2774

■ 9.7782, 0.5481,
0.4030

■ 52.2947, 0.2468,
0.2712

Harmonies

Analogous

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



22.5158, 0.3463, 0.3384



22.5158, 0.3457, 0.3515



22.5158, 0.3360, 0.3590

Triad

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



22.5158, 0.3457, 0.3515



22.5158, 0.2882, 0.3340



22.5158, 0.3045, 0.3017

Complementary

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



22.5158, 0.3457, 0.3515



21.5998, 0.2830, 0.3054

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.



22.5158, 0.2894, 0.2999



22.5158, 0.3457, 0.3515



22.5158, 0.2802, 0.3180

Square

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



22.5158, 0.3457, 0.3515



22.5158, 0.3027, 0.3490



22.5158, 0.2807, 0.3057



22.5158, 0.3222, 0.3102

Rectangle

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



22.5158, 0.3457, 0.3515



22.5158, 0.3259, 0.3595



22.5158, 0.2807, 0.3057



22.5158, 0.2990, 0.3003

Sweetspot

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



22.5168, 0.3457, 0.3515



46.2601, 0.3221, 0.3358



19.7247, 0.3301, 0.3026



10.5481, 0.3230, 0.3364



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.5168, 0.3457, 0.3515



38.3050, 0.3554, 0.3575



26.3139, 0.3416, 0.3738



5.8105, 0.3271, 0.3392



8.6838, 0.5473, 0.4036



0.1264, 0.4830, 0.4547

Inverse Universe

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



21.5998, 0.2830, 0.3054



36.3208, 0.2753, 0.2987



18.2104, 0.2815, 0.2798



5.7037, 0.2990, 0.3186



6.4483, 0.1817, 0.1741



0.1058, 0.2020, 0.2473

Previews

White Background



This preview shows how the Yxy color 22.5158, 0.3457, 0.3515 looks on a white background.

Color Contrast Check

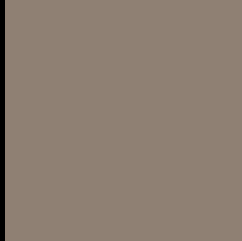
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5158, 0.3457, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

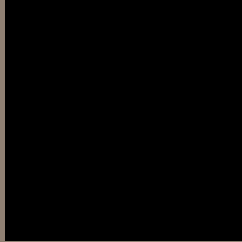
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5158, 0.3457, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 22.5158, 0.3457, 0.3515.



This preview shows how white text looks on a background with the Yxy color 22.5158, 0.3457, 0.3515.

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

22.5158, 0.3457, 0.3515

Protanopia

22.4605, 0.3353, 0.3538

Deuteranopia

22.5491, 0.3538, 0.3477



Tritanopia

22.5275, 0.3267, 0.3124

Trichromacy



Original Color

22.5158, 0.3457, 0.3515

Protanomaly

22.4504, 0.3393, 0.3518

Deuteranomaly

22.6196, 0.3510, 0.3495

Tritanomaly

22.5000, 0.3334, 0.3257

Monochromacy



Original Color

22.5158, 0.3457, 0.3515

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5968, 0.3240, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5158, 0.3457, 0.3515 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(143, 128, 115)` looks like.

```
.text, #text, p{  
    color:rgb(143, 128, 115)  
}
```

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(143, 128, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 128, 115) }
```

Border

The CSS property to change the border of an element to Yxy 22.5158, 0.3457, 0.3515 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(143, 128, 115) }
```

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

```
.border{ border-color:rgb(143, 128, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 128, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 128, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 128, 115);  
box-shadow:4px 4px 4px 4px rgb(143, 128,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5158, 0.3457, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 128, 115) }
```

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

```
.background{ background-color: rgb(143,  
128, 115) }
```

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