

Converting Colors

$Y_{xy}(21.9055, 0.3143, 0.3594)$

Have a look what the booklet for
Yxy(21.9055, 0.3143, 0.3594)
contains.

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Color

Yxy(21.9580, 0.3146, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	778574
RGB	119, 133, 116
RGB Percent	47%, 52%, 45%
CMY	0.5334, 0.4784, 0.5451
CMYK	0.11, 0.00, 0.13, 0.48
HSL	110°, 7%, 49%
HSV	110°, 13%, 52%
XYZ	19.1463, 21.9580, 19.7549
YIQ	126.8760, -2.8870, -8.2550

Conversions

Conversions Part 2

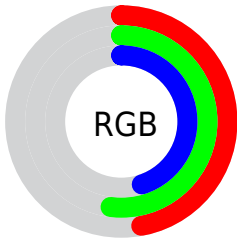
Format	Color
R_{YB}	116, 133, 130
Decimal	7832948
CIE Lab	53.98, -8.55, 7.44
CIE LCh	54, 11.329, 138.973
Yxy	21.9580, 0.3146, 0.3608
Android (android.graphics.Color)	4286023028 (0xFF778574)
YUV	126.8760, -5.3619, -6.9073
Hunter-Lab	46.8594, -9.0704, 7.8062

Details

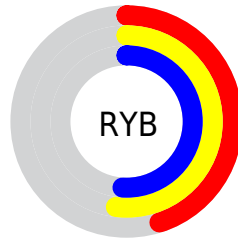
The Yxy color $21.9580, 0.3146, 0.3608$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $18.9352, 0.3104, 0.2985$, and the grayscale version is $21.1979, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.6029, 0.3141, 0.3534$, and $7.9435, 0.3158, 0.3725$ is the 20% darker color. If you saturate the color by 10%, you get $20.9392, 0.3158, 0.3889$, and if you desaturate by 10%, it is $23.1127, 0.3131, 0.3355$.

Distribution



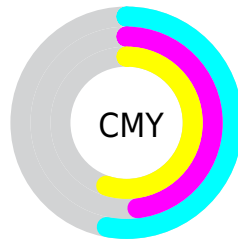
- Red (47%)
- Green (52%)
- Blue (45%)



- Red (45%)
- Yellow (52%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (13%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9580, 0.3146, 0.3608 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 21.9580, 0.3146, 0.3608 by changing the saturation by 10% instead.

■ 21.9580, 0.3146,
0.3608

■ 21.9580, 0.3146,
0.3608

262.3269, 0.3137,
0.3426

■ 13.8260, 0.3148,
0.3663

■ 46.6766, 0.3143,
0.3535

■ 7.9998, 0.3150,
0.3742

■ 64.0320, 0.3142,
0.3510

■ 4.0948, 0.3152,
0.3862

■ 85.2306, 0.3141,
0.3490

■ 1.7267, 0.3150,
0.4069

110.6570, 0.3140,
0.3473

■ 0.4409, 0.3231,
0.6769

140.6954, 0.3139,
0.3458

■ 0.0000, 0.0000,
0.0000

175.7302, 0.3138,

0.3446

216.1459, 0.3137,
0.3435

■ 21.9580, 0.3146,
0.3608

■ 21.9580, 0.3146,
0.3608

■ 20.9392, 0.3158,
0.3889

■ 23.1127, 0.3131,
0.3355

■ 20.0485, 0.3168,
0.4194

■ 24.4051, 0.3116,
0.3131

■ 19.2816, 0.3172,
0.4517

■ 25.8406, 0.3100,
0.2933

■ 18.6331, 0.3170,
0.4846

■ 27.4234, 0.3084,
0.2759

■ 18.0968, 0.3160,
0.5164

■ 29.1576, 0.3068,
0.2608

■ 17.6663, 0.3143,
0.5451

■ 31.0470, 0.3053,
0.2475

■ 17.3342, 0.3117,
0.5685

■ 33.0954, 0.3039,
0.2360

■ 17.0923, 0.3086,
0.5853

■ 35.3064, 0.3026,
0.2259

■ 16.9623, 0.3067,
0.5947

■ 37.6836, 0.3013,
0.2170

Harmonies

Analogous

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



21.9580, 0.3344, 0.3650



21.9580, 0.3146, 0.3608



21.9580, 0.2948, 0.3472

Triad

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



21.9580, 0.3146, 0.3608



21.9580, 0.2778, 0.2986



21.9580, 0.3463, 0.3281

Complementary

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



21.9580, 0.3146, 0.3608



18.9352, 0.3104, 0.2985

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.



21.9580, 0.3303, 0.3117



21.9580, 0.3146, 0.3608



21.9580, 0.2907, 0.2949

Square

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



21.9580, 0.3146, 0.3608



21.9580, 0.2740, 0.3107



21.9580, 0.3098, 0.2997



21.9580, 0.3531, 0.3453

Rectangle

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



21.9580, 0.3146, 0.3608



21.9580, 0.2842, 0.3349



21.9580, 0.3098, 0.2997



21.9580, 0.3418, 0.3224

Sweetspot

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



21.9589, 0.3146, 0.3608



41.1005, 0.3133, 0.3387



22.1846, 0.3317, 0.3539



9.2273, 0.3134, 0.3403



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.9589, 0.3146, 0.3608



38.8292, 0.3149, 0.3677



21.8808, 0.3057, 0.3508



5.2410, 0.3141, 0.3512



16.1578, 0.3068, 0.5946



0.0582, 0.3294, 0.5767

Inverse Universe

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



18.9352, 0.3104, 0.2985



32.4400, 0.3099, 0.2922



19.0288, 0.3206, 0.3082



4.7228, 0.3111, 0.3074



4.7576, 0.2783, 0.1307



0.0192, 0.3002, 0.1427

Previews

White Background



This preview shows how the Yxy color 21.9580, 0.3146, 0.3608 looks on a white background.

Color Contrast Check

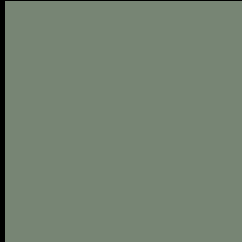
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9580, 0.3146, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

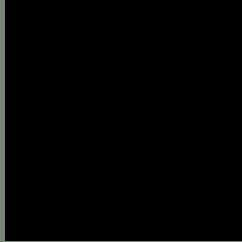
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

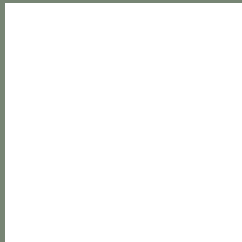
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9580, 0.3146, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 21.9580, 0.3146, 0.3608.



This preview shows how white text looks on a background with the Yxy color 21.9580, 0.3146, 0.3608.

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

21.9580, 0.3146, 0.3608

Protanopia

21.8041, 0.3369, 0.3540

Deuteranopia

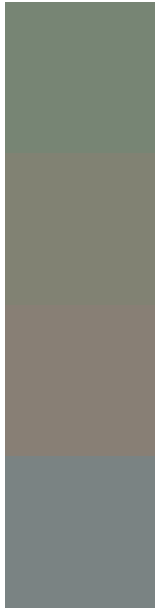
21.7431, 0.3458, 0.3394



Tritanopia

22.0697, 0.2945, 0.3112

Trichromacy



Original Color

21.9580, 0.3146, 0.3608

Protanomaly

21.8702, 0.3280, 0.3563

Deuteranomaly

21.6973, 0.3349, 0.3468

Tritanomaly

22.0089, 0.3025, 0.3290

Monochromacy



Original Color

21.9580, 0.3146, 0.3608

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.4157, 0.3134, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9580, 0.3146, 0.3608 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(119, 133, 116)` looks like.

```
.text, #text, p{  
    color:rgb(119, 133, 116)  
}
```

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(119, 133, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 133, 116) }
```

Border

The CSS property to change the border of an element to Yxy 21.9580, 0.3146, 0.3608 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(119, 133, 116) }
```

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

```
.border{ border-color:rgb(119, 133, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 133, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 133, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 133, 116);  
box-shadow:4px 4px 4px 4px rgb(119, 133,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9580, 0.3146, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 133, 116) }
```

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

```
.background{ background-color: rgb(119,  
133, 116) }
```

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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