

Converting Colors

$Y_{xy}(27.1875, 0.3496, 0.3714)$

Have a look what the booklet for
Yxy(27.1875, 0.3496, 0.3714)
contains.

Yxy(27.1863, 0.3496, 0.3714)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1863, 0.3496, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	978E74
RGB	151, 142, 116
RGB Percent	59%, 56%, 45%
CMY	0.4078, 0.4431, 0.5451
CMYK	0.00, 0.06, 0.23, 0.41
HSL	45°, 14%, 52%
HSV	45°, 23%, 59%
XYZ	25.5906, 27.1863, 20.4227
YIQ	141.7270, 13.7100, -6.1780

Conversions

Conversions Part 2

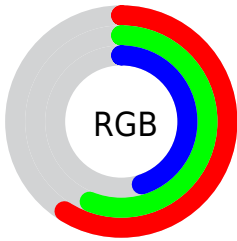
Format	Color
R_{YB}	128, 151, 116
Decimal	9932404
CIE Lab	59.15, -1.04, 15.08
CIE LCh	59, 15.114, 93.963
Yxy	27.1863, 0.3496, 0.3714
Android (android.graphics.Color)	4288122484 (0xFF978E74)
YUV	141.7270, -12.6834, 8.1324
Hunter-Lab	52.1405, -3.6380, 13.2753

Details

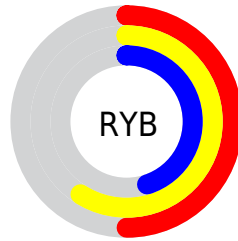
The Yxy color $27.1863, 0.3496, 0.3714$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $20.6218, 0.2759, 0.2827$, and the grayscale version is $26.9853, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.4288, 0.3423, 0.3630$, and $10.7810, 0.3626, 0.3861$ is the 20% darker color. If you saturate the color by 10%, you get $25.7265, 0.3673, 0.3903$, and if you desaturate by 10%, it is $28.7461, 0.3329, 0.3527$.

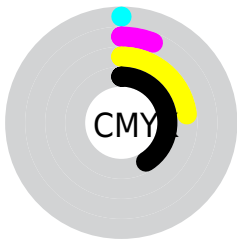
Distribution



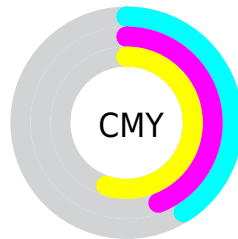
- Red (59%)
- Green (56%)
- Blue (45%)



- Red (50%)
- Yellow (59%)
- Blue (45%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (41%)



- Cyan (41%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1863, 0.3496, 0.3714 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 27.1863, 0.3496, 0.3714 by changing the saturation by 10% instead.

■ 27.1863, 0.3496,
0.3714

■ 27.1863, 0.3496,
0.3714

288.5580, 0.3296,
0.3483

■ 17.7132, 0.3552,
0.3779

■ 55.1827, 0.3419,
0.3625

■ 10.7443, 0.3626,
0.3866

■ 74.4747, 0.3392,
0.3593

■ 5.8951, 0.3732,
0.3990

■ 97.8086, 0.3369,
0.3567

■ 2.7814, 0.3891,
0.4180

125.5685, 0.3350,
0.3545

■ 1.0187, 0.4685,
0.5074

158.1391, 0.3333,
0.3526

■ 0.0000, 0.0000,
0.0000

195.9046, 0.3319,

0.3510

239.2494, 0.3307,
0.3495

■ 27.1863, 0.3496,
0.3714

■ 27.1863, 0.3496,
0.3714

■ 25.7265, 0.3673,
0.3903

■ 28.7461, 0.3329,
0.3527

■ 24.3599, 0.3858,
0.4087

■ 30.4052, 0.3174,
0.3346

■ 23.0843, 0.4043,
0.4258

■ 32.1676, 0.3032,
0.3174

■ 21.8960, 0.4223,
0.4406

■ 34.0360, 0.2903,
0.3013

■ 20.7909, 0.4390,
0.4522

■ 36.0130, 0.2787,
0.2864

■ 19.7644, 0.4536,
0.4597

■ 38.1010, 0.2683,
0.2726

■ 18.8112, 0.4654,
0.4626

■ 40.3023, 0.2590,
0.2600

■ 18.1942, 0.4726,
0.4630

■ 42.6193, 0.2506,
0.2484

■ 45.0540, 0.2431,
0.2379

Harmonies

Analogous

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



27.1863, 0.3619, 0.3583



27.1863, 0.3496, 0.3714



27.1863, 0.3276, 0.3731

Triad

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



27.1863, 0.3496, 0.3714



27.1863, 0.2672, 0.3164



27.1863, 0.3219, 0.2994

Complementary

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



27.1863, 0.3496, 0.3714



20.6218, 0.2759, 0.2827

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.



27.1863, 0.2965, 0.2888



27.1863, 0.3496, 0.3714



27.1863, 0.2657, 0.2975

Square

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



27.1863, 0.3496, 0.3714



27.1863, 0.2803, 0.3402



27.1863, 0.2762, 0.2878



27.1863, 0.3456, 0.3172

Rectangle

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



27.1863, 0.3496, 0.3714



27.1863, 0.3106, 0.3668



27.1863, 0.2762, 0.2878



27.1863, 0.3132, 0.2949

Sweetspot

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



27.1875, 0.3496, 0.3714



53.2408, 0.3234, 0.3416



20.5623, 0.3467, 0.3135



12.0655, 0.3242, 0.3426



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.



27.1875, 0.3496, 0.3714



47.2492, 0.3590, 0.3816



29.2264, 0.3377, 0.3867



6.9534, 0.3266, 0.3454



15.5216, 0.4722, 0.4633



0.2892, 0.4447, 0.4851

Inverse Universe

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



20.6218, 0.2759, 0.2827



33.3183, 0.2665, 0.2702



19.0248, 0.2837, 0.2676



6.2722, 0.2988, 0.3120



3.1706, 0.1594, 0.0938



0.0997, 0.1801, 0.1683

Previews

White Background



This preview shows how the Yxy color 27.1863, 0.3496, 0.3714 looks on a white background.

Color Contrast Check

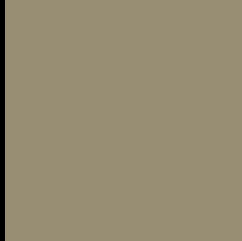
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1863, 0.3496, 0.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

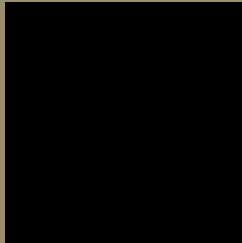
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1863, 0.3496, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 27.1863, 0.3496, 0.3714.



This preview shows how white text looks on a background with the Yxy color 27.1863, 0.3496, 0.3714.

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

27.1863, 0.3496, 0.3714

Protanopia

27.1863, 0.3496, 0.3714

Deuteranopia

27.1750, 0.3667, 0.3601



Tritanopia

27.2836, 0.3211, 0.3134

Trichromacy



Original Color

27.1863, 0.3496, 0.3714

Protanomaly

27.1863, 0.3496, 0.3714

Deuteranomaly

27.2232, 0.3600, 0.3638

Tritanomaly

27.1128, 0.3325, 0.3338

Monochromacy



Original Color

27.1863, 0.3496, 0.3714

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.0592, 0.3250, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1863, 0.3496, 0.3714 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(151, 142, 116)` looks like.

```
.text, #text, p{  
    color:rgb(151, 142, 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(151, 142, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 142, 116) }
```

Border

The CSS property to change the border of an element to Yxy 27.1863, 0.3496, 0.3714 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(151, 142, 116) }
```

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

```
.border{ border-color:rgb(151, 142, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 142, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 142, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 142, 116); box-shadow:4px 4px 4px 4px rgb(151, 142, 116) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1863, 0.3496, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 142, 116) }
```

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

```
.background{ background-color: rgb(151,  
142, 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](#).

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