

Converting Colors

$Y_{xy}(27.4160, 0.4040, 0.3802)$

Have a look what the booklet for
Yxy(27.4160, 0.4040, 0.3802)
contains.

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Color

Yxy(27.4160, 0.4040, 0.3802)

Conversions

Conversions Part 1

Format	Color
Hex	B28663
RGB	178, 134, 99
RGB Percent	70%, 53%, 39%
CMY	0.3021, 0.4744, 0.6118
CMYK	0.00, 0.25, 0.44, 0.30
HSL	27°, 34%, 54%
HSV	27°, 44%, 70%
XYZ	29.1322, 27.4160, 15.5612
YIQ	143.1660, 37.4590, -1.5570

Conversions

Conversions Part 2

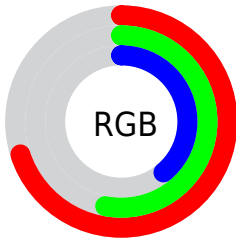
Format	Color
R_{YB}	178, 162, 99
Decimal	11699811
CIE Lab	59.36, 12.30, 25.36
CIE LCh	59, 28.186, 64.124
Yxy	27.4160, 0.4040, 0.3802
Android (android.graphics.Color)	4289889891 (0xFFB28663)
YUV	143.1660, -21.7738, 30.5494
Hunter-Lab	52.3603, 7.6833, 19.0315

Details

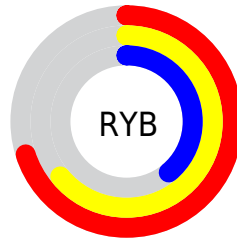
The Yxy color **27.4160, 0.4040, 0.3802** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **25.4974, 0.2438, 0.2704**, and the grayscale version is **27.6155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4048, 0.3850, 0.3707**, and **10.7995, 0.4355, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **24.5019, 0.4317, 0.3908**, and if you desaturate by 10%, it is **30.6643, 0.3788, 0.3685**.

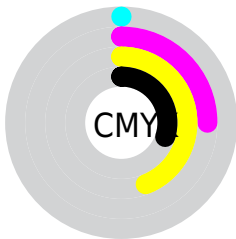
Distribution



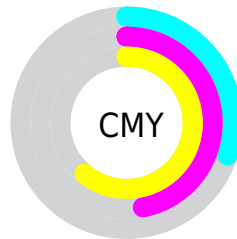
- Red (70%)
- Green (53%)
- Blue (39%)



- Red (70%)
- Yellow (64%)
- Blue (39%)



- Cyan (0%)
- Magenta (25%)
- Yellow (44%)
- Black (30%)





- Cyan (30%)
- Magenta (47%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4160, 0.4040, 0.3802 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 27.4160, 0.4040, 0.3802 by changing the saturation by 10% instead.


 27.4160, 0.4040,
0.3802


 27.4160, 0.4040,
0.3802


289.6657, 0.3543,
0.3541

 17.8859, 0.4176,
0.3865


 55.5507, 0.3850,
0.3708

 10.8681, 0.4358,
0.3943


 74.9241, 0.3781,
0.3672

 5.9782, 0.4607,
0.4037


 98.3473, 0.3725,
0.3642

 2.8318, 0.5004,
0.4171

 126.2049, 0.3677,
0.3616

 1.0446, 0.5669,
0.4331

158.8811, 0.3636,
0.3593

 0.0000, 1.0000,
0.0000

196.7604, 0.3601,

 0.0000, 0.0000,

0.3574

0.0000

240.2271, 0.3570,
0.3557

■ 27.4160, 0.4040,
0.3802

■ 27.4160, 0.4040,
0.3802

■ 24.5019, 0.4317,
0.3908

■ 30.6643, 0.3788,
0.3685

■ 21.9061, 0.4612,
0.3993

■ 34.2540, 0.3563,
0.3566

■ 19.6168, 0.4910,
0.4044


■ 38.1972, 0.3366,
0.3449


■ 17.6202, 0.5193,
0.4049


■ 42.5040, 0.3195,
0.3337


■ 15.9002, 0.5440,
0.4002

■ 47.1842, 0.3046,
0.3232

 15.0408, 0.5568,
0.3961

 52.2469, 0.2918,
0.3135

 57.7011, 0.2808,
0.3046

 63.5555, 0.2712,
0.2964

 69.5466, 0.2650,
0.2933

Harmonies

Analogous

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



27.4160, 0.4025, 0.3439



27.4160, 0.4040, 0.3802



27.4160, 0.3797, 0.4070

Triad

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



27.4160, 0.4040, 0.3802



27.4160, 0.2529, 0.3490



27.4160, 0.2823, 0.2575

Complementary

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



27.4160, 0.4040, 0.3802



25.4974, 0.2438, 0.2704

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.



27.4160, 0.2465, 0.2546



27.4160, 0.4040, 0.3802



27.4160, 0.2305, 0.3033

Square

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



27.4160, 0.4040, 0.3802



27.4160, 0.2918, 0.3917



27.4160, 0.2285, 0.2699



27.4160, 0.3291, 0.2763

Rectangle

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



27.4160, 0.4040, 0.3802



27.4160, 0.3532, 0.4142



27.4160, 0.2285, 0.2699



27.4160, 0.2687, 0.2546

Sweetspot

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



27.4173, 0.4040, 0.3802



70.1561, 0.3345, 0.3435



20.3916, 0.3615, 0.2649



15.1796, 0.3385, 0.3461



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



27.4173, 0.4040, 0.3802



44.6765, 0.4304, 0.3904



40.1364, 0.3804, 0.4301



9.1048, 0.3276, 0.3391



10.8874, 0.5549, 0.3976



0.4595, 0.5079, 0.4350

Inverse Universe

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



25.4974, 0.2438, 0.2704



40.7330, 0.2298, 0.2550



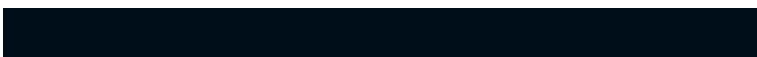
15.8205, 0.2322, 0.2024



8.9883, 0.2985, 0.3187



8.8219, 0.1832, 0.1793



0.3917, 0.1959, 0.2253

Previews

White Background



This preview shows how the Yxy color 27.4160, 0.4040, 0.3802 looks on a white background.

Color Contrast Check

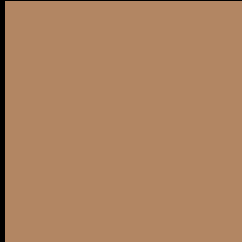
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4160, 0.4040, 0.3802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

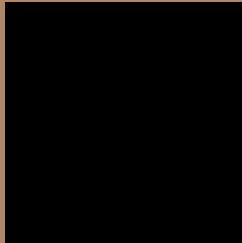
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4160, 0.4040, 0.3802

Background



This preview shows how black text looks on a background with the Yxy color 27.4160, 0.4040, 0.3802.



This preview shows how white text looks on a background with the Yxy color 27.4160, 0.4040, 0.3802.

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

27.4160, 0.4040, 0.3802

Protanopia

27.4942, 0.3663, 0.3934

Deuteranopia

27.4311, 0.3950, 0.3877



Tritanopia

27.5097, 0.3640, 0.3149

Trichromacy



Original Color

27.4160, 0.4040, 0.3802

Protanomaly

27.5020, 0.3794, 0.3882

Deuteranomaly

27.4888, 0.3991, 0.3855

Tritanomaly

27.5116, 0.3800, 0.3393

Monochromacy



Original Color

27.4160, 0.4040, 0.3802

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.3564, 0.3442, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4160, 0.4040, 0.3802 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(178, 134, 99)` looks like.

```
.text, #text, p{  
    color:rgb(178, 134, 99)  
}
```

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(178, 134, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 134, 99) }
```

Border

The CSS property to change the border of an element to Yxy 27.4160, 0.4040, 0.3802 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(178, 134, 99) }
```

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

```
.border{ border-color:rgb(178, 134, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 134, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 134, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 134, 99);  
box-shadow:4px 4px 4px 4px rgb(178, 134,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4160, 0.4040, 0.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 134, 99) }
```

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

```
.background{ background-color: rgb(178,  
134, 99) }
```

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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