

Converting Colors

$Y_{xy}(28.1233, 0.4274, 0.4137)$

Have a look what the booklet for
Yxy(28.1233, 0.4274, 0.4137)
contains.

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Color

Yxy(28.1164, 0.4280, 0.4140)

Conversions

Conversions Part 1

Format	Color
Hex	B4894C
RGB	180, 137, 76
RGB Percent	71%, 54%, 30%
CMY	0.2942, 0.4627, 0.7020
CMYK	0.00, 0.24, 0.58, 0.29
HSL	35°, 41%, 50%
HSV	35°, 58%, 71%
XYZ	29.0672, 28.1164, 10.7304
YIQ	142.9030, 45.2090, -9.8550

Conversions

Conversions Part 2

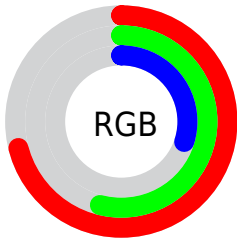
Format	Color
R_{YB}	149, 180, 76
Decimal	11831628
CIE _{Lab}	59.99, 9.31, 38.64
CIE _{LCh}	60, 39.748, 76.458
Yxy	28.1164, 0.4280, 0.4140
Android (android.graphics.Color)	4290021708 (0xFFB4894C)
YUV	142.9030, -32.9832, 32.5341
Hunter-Lab	53.0249, 5.0566, 25.1192

Details

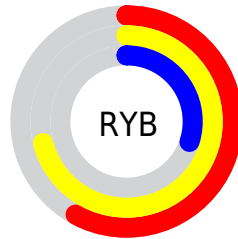
The Yxy color **28.1164, 0.4280, 0.4140** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.0103, 0.2184, 0.2209**, and the grayscale version is **27.5478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5104, 0.4057, 0.3992**, and **11.1853, 0.4634, 0.4345** is the 20% darker color. If you saturate the color by 10%, you get **25.8598, 0.4516, 0.4246**, and if you desaturate by 10%, it is **30.5914, 0.4045, 0.4008**.

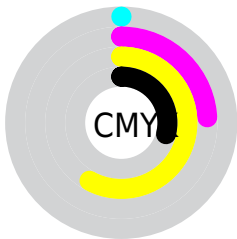
Distribution



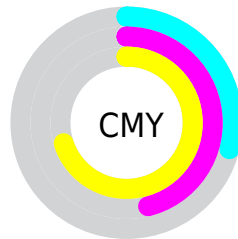
- Red (71%)
- Green (54%)
- Blue (30%)



- Red (58%)
- Yellow (71%)
- Blue (30%)



- Cyan (0%)
- Magenta (24%)
- Yellow (58%)
- Black (29%)





- Cyan (29%)
- Magenta (46%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1164, 0.4280, 0.4140 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 28.1164, 0.4280, 0.4140 by changing the saturation by 10% instead.


 28.1164, 0.4280,
0.4140


 28.1164, 0.4280,
0.4140


293.0227, 0.3669,
0.3714

 18.4134, 0.4435,
0.4237


 56.6702, 0.4054,
0.3990


 11.2472, 0.4630,
0.4349


 76.2899, 0.3970,
0.3931


 6.2334, 0.4875,
0.4470


 99.9838, 0.3899,
0.3882

 2.9875, 0.5310,
0.4690

 128.1366, 0.3839,
0.3839

 1.1252, 0.5470,
0.4530

 161.1324, 0.3788,
0.3801

 0.0000, 1.0000,
0.0000

199.3558, 0.3743,

 0.0000, 0.0000,

0.3768

0.0000

243.1911, 0.3704,
0.3739

■ 28.1164, 0.4280,
0.4140

■ 28.1164, 0.4280,
0.4140

■ 25.8598, 0.4516,
0.4246

■ 30.5914, 0.4045,
0.4008

■ 23.8086, 0.4741,
0.4313

■ 33.2889, 0.3820,
0.3860

■ 21.9542, 0.4944,
0.4331

■ 36.2177, 0.3611,
0.3705

■ 20.2825, 0.5115,
0.4300

■ 39.3850, 0.3420,
0.3550

■ 19.9311, 0.5152,
0.4291

■ 42.7974, 0.3248,
0.3401

■ 46.4613, 0.3095,
0.3259

■ 50.3828, 0.2959,
0.3127

■ 54.5677, 0.2840,
0.3004

■ 59.0216, 0.2734,
0.2891

Harmonies

Analogous

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



28.1164, 0.4436, 0.3668



28.1164, 0.4280, 0.4140



28.1164, 0.3814, 0.4456

Triad

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



28.1164, 0.4280, 0.4140



28.1164, 0.2150, 0.3279



28.1164, 0.2951, 0.2411

Complementary

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



28.1164, 0.4280, 0.4140



18.0103, 0.2184, 0.2209

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.



28.1164, 0.2394, 0.2276



28.1164, 0.4280, 0.4140



28.1164, 0.1973, 0.2697

Square

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



28.1164, 0.4280, 0.4140



28.1164, 0.2583, 0.3960



28.1164, 0.2058, 0.2361



28.1164, 0.3623, 0.2728

Rectangle

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



28.1164, 0.4280, 0.4140



28.1164, 0.3405, 0.4485



28.1164, 0.2058, 0.2361



28.1164, 0.2745, 0.2343

Sweetspot

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



28.1178, 0.4280, 0.4140



71.7293, 0.3411, 0.3543



16.2068, 0.4102, 0.2686



15.2508, 0.3447, 0.3573



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.



28.1178, 0.4280, 0.4140



45.9779, 0.4572, 0.4266



41.8445, 0.3856, 0.4680



9.3063, 0.3273, 0.3424



14.0505, 0.5137, 0.4303



0.5538, 0.4810, 0.4563

Inverse Universe

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



18.0103, 0.2184, 0.2209



26.0186, 0.2000, 0.1929



10.3769, 0.2097, 0.1497



8.7876, 0.2985, 0.3153



5.8774, 0.1702, 0.1327



0.3011, 0.1860, 0.1897

Previews

White Background



This preview shows how the Yxy color 28.1164, 0.4280, 0.4140 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 28.1164, 0.4280, 0.4140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

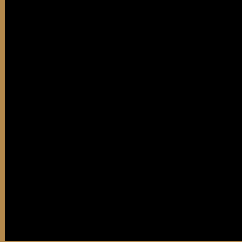
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1164, 0.4280, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 28.1164, 0.4280, 0.4140.



This preview shows how white text looks on a background with the Yxy color 28.1164, 0.4280, 0.4140.

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

28.1164, 0.4280, 0.4140

Protanopia

28.1862, 0.3944, 0.4303

Deuteranopia

28.1637, 0.4249, 0.4162



Tritanopia

28.1730, 0.3660, 0.3151

Trichromacy



Original Color

28.1164, 0.4280, 0.4140

Protanomaly

28.1116, 0.4070, 0.4240

Deuteranomaly

28.2825, 0.4260, 0.4157

Tritanomaly

28.1267, 0.3897, 0.3521

Monochromacy



Original Color

28.1164, 0.4280, 0.4140

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.4496, 0.3525, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1164, 0.4280, 0.4140 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(180, 137, 76)` looks like.

```
.text, #text, p{  
    color:rgb(180, 137, 76)  
}
```

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(180, 137, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 137, 76) }
```

Border

The CSS property to change the border of an element to Yxy 28.1164, 0.4280, 0.4140 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(180, 137, 76) }
```

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

```
.border{ border-color:rgb(180, 137, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 137, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 137, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 137, 76);  
box-shadow:4px 4px 4px 4px rgb(180, 137,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1164, 0.4280, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 137, 76) }
```

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

```
.background{ background-color: rgb(180,  
137, 76) }
```

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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