

Converting Colors

$Y_{xy}(27.0960, 0.4473, 0.4115)$

Have a look what the booklet for
Yxy(27.0960, 0.4473, 0.4115)
contains.

Yxy(27.1014, 0.4471, 0.4116)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1014, 0.4471, 0.4116)

Conversions

Conversions Part 1

Format	Color
Hex	BA8345
RGB	186, 131, 69
RGB Percent	73%, 51%, 27%
CMY	0.2706, 0.4862, 0.7295
CMYK	0.00, 0.30, 0.63, 0.27
HSL	32°, 46%, 50%
HSV	32°, 63%, 73%
XYZ	29.4389, 27.1014, 9.3038
YIQ	140.3770, 52.6820, -7.6220

Conversions

Conversions Part 2

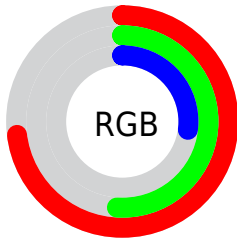
Format	Color
RYB	173, 186, 69
Decimal	12223301
CIELab	59.07, 14.73, 41.34
CIELCh	59, 43.882, 70.390
Yxy	27.1014, 0.4471, 0.4116
Android (android.graphics.Color)	4290413381 (0xFFBA8345)
YUV	140.3770, -35.1889, 40.0114
Hunter-Lab	52.0590, 9.8368, 25.8453

Details

The Yxy color **27.1014, 0.4471, 0.4116** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.2129, 0.2130, 0.2211**, and the grayscale version is **26.5038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0254, 0.4207, 0.3983**, and **10.7522, 0.4870, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **24.6574, 0.4729, 0.4191**, and if you desaturate by 10%, it is **29.8186, 0.4212, 0.4008**.

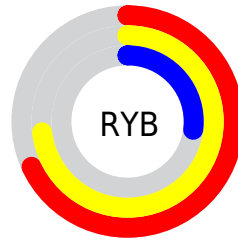
Distribution



Red (73%)

Green (51%)

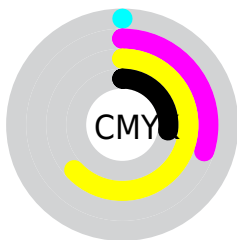
Blue (27%)



Red (68%)

Yellow (73%)

Blue (27%)

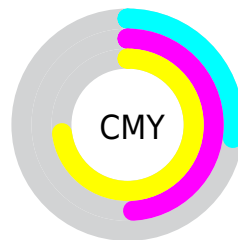


Cyan (0%)

Magenta (30%)

Yellow (63%)

Black (27%)



Cyan (27%)


Magenta (49%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1014, 0.4471, 0.4116 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 27.1014, 0.4471, 0.4116 by changing the saturation by 10% instead.


 27.1014, 0.4471,
0.4116


 27.1014, 0.4471,
0.4116


288.1477, 0.3756,
0.3717


 17.6494, 0.4652,
0.4197


 55.0465, 0.4207,
0.3981


 10.6986, 0.4877,
0.4283


 74.3085, 0.4108,
0.3926


 5.8645, 0.5172,
0.4370

 97.6091, 0.4025,
0.3879

 2.7629, 0.5568,
0.4432

 125.3330, 0.3955,
0.3838

 1.0092, 0.5824,
0.4176

 157.8644, 0.3895,
0.3802

 0.0000, 1.0000,
0.0000

195.5877, 0.3842,

 0.0000, 0.0000,

0.3770

0.0000

238.8873, 0.3797,
0.3742

■ 27.1014, 0.4471,
0.4116

■ 27.1014, 0.4471,
0.4116

■ 24.6574, 0.4729,
0.4191

■ 29.8186, 0.4212,
0.4008

■ 22.4705, 0.4973,
0.4221

■ 32.8156, 0.3963,
0.3879

■ 20.5287, 0.5185,
0.4199

■ 36.1039, 0.3733,
0.3740

■ 19.2875, 0.5319,
0.4158

■ 39.6928, 0.3523,
0.3599

■ 43.5912, 0.3337,
0.3460

■ 47.8075, 0.3172,
0.3327

■ 52.3498, 0.3026,
0.3203

■ 57.2256, 0.2900,
0.3087

■ 62.4425, 0.2788,
0.2981

Harmonies

Analogous

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



27.1014, 0.4569, 0.3579



27.1014, 0.4471, 0.4116



27.1014, 0.4002, 0.4536

Triad

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



27.1014, 0.4471, 0.4116



27.1014, 0.2119, 0.3425



27.1014, 0.2786, 0.2277

Complementary

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



27.1014, 0.4471, 0.4116



19.2129, 0.2130, 0.2211

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.



27.1014, 0.2220, 0.2172



27.1014, 0.4471, 0.4116



27.1014, 0.1872, 0.2731

Square

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



27.1014, 0.4471, 0.4116



27.1014, 0.2641, 0.4187



27.1014, 0.1910, 0.2311



27.1014, 0.3525, 0.2586

Rectangle

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



27.1014, 0.4471, 0.4116



27.1014, 0.3566, 0.4643



27.1014, 0.1910, 0.2311



27.1014, 0.2571, 0.2217

Sweetspot

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



27.1027, 0.4471, 0.4116



74.4314, 0.3454, 0.3548



16.1850, 0.4104, 0.2544



15.9535, 0.3509, 0.3588



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



27.1027, 0.4471, 0.4116



42.9193, 0.4838, 0.4210



45.7420, 0.3977, 0.4736



9.7792, 0.3275, 0.3411



13.1277, 0.5301, 0.4173



0.5856, 0.4942, 0.4458

Inverse Universe

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



19.2129, 0.2130, 0.2211



27.4726, 0.1945, 0.1916



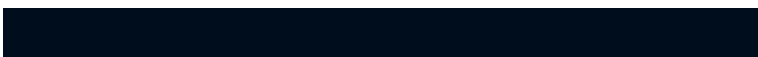
9.1334, 0.1934, 0.1301



9.3966, 0.2985, 0.3166



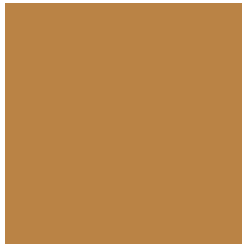
7.1617, 0.1750, 0.1501



0.3765, 0.1887, 0.1994

Previews

White Background



This preview shows how the Yxy color 27.1014, 0.4471, 0.4116 looks on a white background.

Color Contrast Check

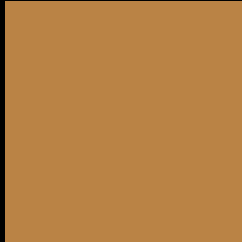
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1014, 0.4471, 0.4116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

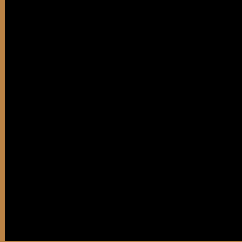
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1014, 0.4471, 0.4116

Background



This preview shows how black text looks on a background with the Yxy color 27.1014, 0.4471, 0.4116.



This preview shows how white text looks on a background with the Yxy color 27.1014, 0.4471, 0.4116.

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

27.1014, 0.4471, 0.4116

Protanopia

27.2941, 0.3990, 0.4368

Deuteranopia

27.2558, 0.4318, 0.4241



Tritanopia

27.1851, 0.3837, 0.3168

Trichromacy



Original Color

27.1014, 0.4471, 0.4116

Protanomaly

27.2579, 0.4161, 0.4272

Deuteranomaly

27.1708, 0.4383, 0.4194

Tritanomaly

27.1233, 0.4085, 0.3530

Monochromacy



Original Color

27.1014, 0.4471, 0.4116

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.2743, 0.3606, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1014, 0.4471, 0.4116 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(186, 131, 69)` looks like.

```
.text, #text, p{  
    color:rgb(186, 131, 69)  
}
```

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(186, 131, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 131, 69) }
```

Border

The CSS property to change the border of an element to Yxy 27.1014, 0.4471, 0.4116 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(186, 131, 69) }
```

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

```
.border{ border-color:rgb(186, 131, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 131, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 131, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 131, 69);  
box-shadow:4px 4px 4px 4px rgb(186, 131,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1014, 0.4471, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 131, 69) }
```

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

```
.background{ background-color: rgb(186,  
131, 69) }
```

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