

Converting Colors

$Y_{xy}(29.7197, 0.3714, 0.3559)$

Have a look what the booklet for
Yxy(29.7197, 0.3714, 0.3559)
contains.

Yxy(29.7099, 0.3711, 0.3556)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7099, 0.3711, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	B08D7B
RGB	176, 141, 123
RGB Percent	69%, 55%, 48%
CMY	0.3098, 0.4470, 0.5177
CMYK	0.00, 0.20, 0.30, 0.31
HSL	20°, 25%, 59%
HSV	20°, 30%, 69%
XYZ	31.0049, 29.7099, 22.8338
YIQ	149.4130, 26.6380, 1.8220

Conversions

Conversions Part 2

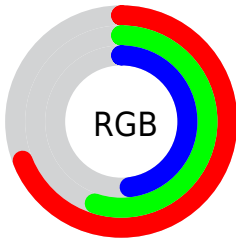
Format	Color
R_{YB}	176, 150, 123
Decimal	11570555
CIE _{Lab}	61.40, 10.56, 14.63
CIE _{LCh}	61, 18.042, 54.184
Yxy	29.7099, 0.3711, 0.3556
Android (android.graphics.Color)	4289760635 (0xFFB08D7B)
YUV	149.4130, -13.0216, 23.3168
Hunter-Lab	54.5068, 6.1486, 13.3171

Details

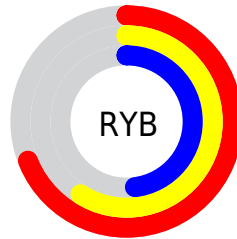
The Yxy color $29.7099, 0.3711, 0.3556$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $31.7946, 0.2669, 0.3007$, and the grayscale version is $30.2860, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.3206, 0.3582, 0.3504$, and $12.1142, 0.3911, 0.3643$ is the 20% darker color. If you saturate the color by 10%, you get $26.0605, 0.3972, 0.3648$, and if you desaturate by 10%, it is $33.8008, 0.3486, 0.3464$.

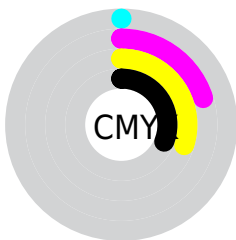
Distribution



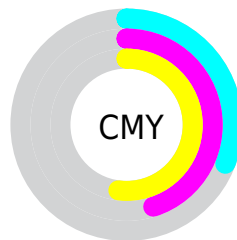
- Red (69%)
- Green (55%)
- Blue (48%)



- Red (69%)
- Yellow (59%)
- Blue (48%)



- Cyan (0%)
- Magenta (20%)
- Yellow (30%)
- Black (31%)





- Cyan (31%)
- Magenta (45%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7099, 0.3711, 0.3556 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 29.7099, 0.3711, 0.3556 by changing the saturation by 10% instead.


 29.7099, 0.3711,
0.3556


 29.7099, 0.3711,
0.3556


300.5499, 0.3395,
0.3420

 19.6185, 0.3798,
0.3591


 59.2031, 0.3590,
0.3506

 12.1180, 0.3916,
0.3635


 79.3737, 0.3546,
0.3487

 6.8241, 0.4082,
0.3693


 103.6728, 0.3510,
0.3471

 3.3523, 0.4334,
0.3769

132.4848, 0.3480,
0.3458

 1.3183, 0.4924,
0.4007

166.1941, 0.3454,
0.3446

 0.1553, 0.7230,
0.2770

205.1852, 0.3432,

 0.0000, 0.0000,

0.3436

0.0000

249.8423, 0.3412,
0.3427

■ 29.7099, 0.3711,
0.3556

■ 29.7099, 0.3711,
0.3556

■ 26.0605, 0.3972,
0.3648

■ 33.8008, 0.3486,
0.3464

■ 22.8333, 0.4269,
0.3733

■ 38.3437, 0.3293,
0.3375

■ 20.0133, 0.4597,
0.3804

■ 43.3536, 0.3129,
0.3291

■ 17.5832, 0.4944,
0.3848

■ 48.8438, 0.2990,
0.3213

■ 15.5242, 0.5287,
0.3854

■ 54.8268, 0.2872,
0.3142

■ 13.8155, 0.5596,
0.3812

■ 61.3149, 0.2771,
0.3077

■ 12.4430, 0.5855,
0.3733

■ 68.3198, 0.2684,
0.3017

■ 75.2736, 0.2654,
0.3056

■ 82.1068, 0.2669,
0.3186

Harmonies

Analogous

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



29.7099, 0.3641, 0.3316



29.7099, 0.3711, 0.3556



29.7099, 0.3616, 0.3742

Triad

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



29.7099, 0.3711, 0.3556



29.7099, 0.2825, 0.3509



29.7099, 0.2853, 0.2810

Complementary

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



29.7099, 0.3711, 0.3556



31.7946, 0.2669, 0.3007

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.



29.7099, 0.2652, 0.2837



29.7099, 0.3711, 0.3556



29.7099, 0.2637, 0.3229

Square

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



29.7099, 0.3711, 0.3556



29.7099, 0.3099, 0.3730



29.7099, 0.2576, 0.2984



29.7099, 0.3134, 0.2899

Rectangle

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



29.7099, 0.3711, 0.3556



29.7099, 0.3475, 0.3806



29.7099, 0.2576, 0.2984



29.7099, 0.2774, 0.2806

Sweetspot

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



29.7113, 0.3711, 0.3556



70.3783, 0.3276, 0.3366



25.8731, 0.3357, 0.2785



14.9840, 0.3301, 0.3379



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.7113, 0.3711, 0.3556



49.4861, 0.3877, 0.3616



38.3605, 0.3606, 0.3916



8.9617, 0.3279, 0.3368



9.2277, 0.5835, 0.3749



0.4012, 0.5289, 0.4182

Inverse Universe

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



31.7946, 0.2669, 0.3007



53.8482, 0.2573, 0.2935



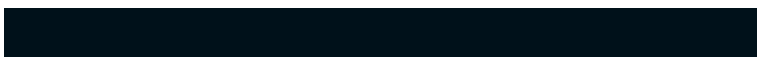
23.7989, 0.2622, 0.2575



9.1354, 0.2986, 0.3211



11.6086, 0.1932, 0.2156



0.4681, 0.2030, 0.2509

Previews

White Background



This preview shows how the Yxy color 29.7099, 0.3711, 0.3556 looks on a white background.

Color Contrast Check

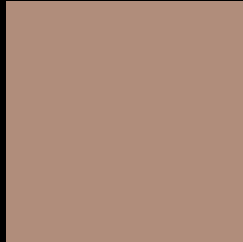
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7099, 0.3711, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

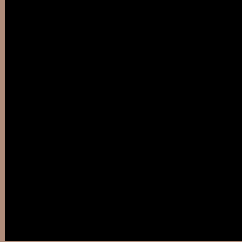
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7099, 0.3711, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 29.7099, 0.3711, 0.3556.



This preview shows how white text looks on a background with the Yxy color 29.7099, 0.3711, 0.3556.

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

29.7099, 0.3711, 0.3556

Protanopia

29.7541, 0.3430, 0.3636

Deuteranopia

29.8456, 0.3657, 0.3589



Tritanopia

29.6131, 0.3480, 0.3134

Trichromacy



Original Color

29.7099, 0.3711, 0.3556

Protanomaly

29.5180, 0.3527, 0.3599

Deuteranomaly

29.6603, 0.3673, 0.3574

Tritanomaly

29.5060, 0.3566, 0.3277

Monochromacy



Original Color

29.7099, 0.3711, 0.3556

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.8221, 0.3325, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7099, 0.3711, 0.3556 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(176, 141, 123)` looks like.

```
.text, #text, p{  
    color:rgb(176, 141, 123)  
}
```

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(176, 141, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 141, 123) }
```

Border

The CSS property to change the border of an element to Yxy 29.7099, 0.3711, 0.3556 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(176, 141, 123) }
```

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

```
.border{ border-color:rgb(176, 141, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 141, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 141, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 141, 123);  
box-shadow:4px 4px 4px 4px rgb(176, 141,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7099, 0.3711, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 141, 123) }
```

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

```
.background{ background-color: rgb(176,  
141, 123) }
```

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