

Converting Colors

$Y_{xy}(28.6102, 0.3701, 0.3624)$

Have a look what the booklet for
Yxy(28.6102, 0.3701, 0.3624)
contains.

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Color

Yxy(28.6102, 0.3701, 0.3624)

Conversions

Conversions Part 1

Format	Color
Hex	AA8C76
RGB	170, 140, 118
RGB Percent	67%, 55%, 46%
CMY	0.3335, 0.4509, 0.5373
CMYK	0.00, 0.18, 0.31, 0.33
HSL	25°, 23%, 56%
HSV	25°, 31%, 67%
XYZ	29.2181, 28.6102, 21.1182
YIQ	146.4620, 24.9420, -0.4820

Conversions

Conversions Part 2

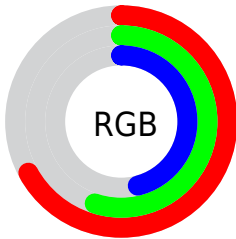
Format	Color
R_{YB}	170, 156, 118
Decimal	11177078
CIE Lab	60.44, 7.98, 16.02
CIE LCh	60, 17.896, 63.507
Yxy	28.6102, 0.3701, 0.3624
Android (android.graphics.Color)	4289367158 (0xFFAA8C76)
YUV	146.4620, -14.0318, 20.6428
Hunter-Lab	53.4885, 3.9007, 14.0332

Details

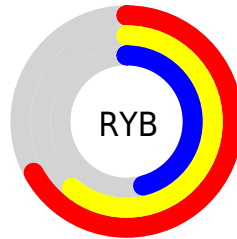
The Yxy color $28.6102, 0.3701, 0.3624$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $27.9074, 0.2656, 0.2929$, and the grayscale version is $28.9942, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.6546, 0.3582, 0.3566$, and $11.5364, 0.3900, 0.3719$ is the 20% darker color. If you saturate the color by 10%, you get $25.5077, 0.3946, 0.3737$, and if you desaturate by 10%, it is $32.0428, 0.3485, 0.3510$.

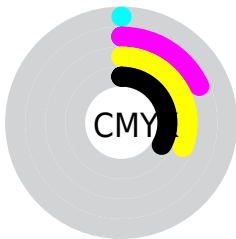
Distribution



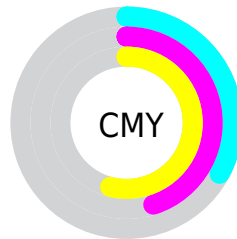
- Red (67%)
- Green (55%)
- Blue (46%)



- Red (67%)
- Yellow (61%)
- Blue (46%)



- Cyan (0%)
- Magenta (18%)
- Yellow (31%)
- Black (33%)





- Cyan (33%)
- Magenta (45%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6102, 0.3701, 0.3624 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 28.6102, 0.3701, 0.3624 by changing the saturation by 10% instead.


 28.6102, 0.3701,
0.3624


 28.6102, 0.3701,
0.3624


295.3713, 0.3389,
0.3449


 18.7861, 0.3788,
0.3669


 57.4572, 0.3581,
0.3559

 11.5159, 0.3904,
0.3729


 77.2489, 0.3538,
0.3535

 6.4149, 0.4070,
0.3808


 101.1320, 0.3503,
0.3515

 3.0990, 0.4320,
0.3917

129.4908, 0.3473,
0.3498

 1.1836, 0.5105,
0.4383

162.7097, 0.3447,
0.3483

 0.0483, 0.8330,
0.1670

201.1732, 0.3425,

 0.0000, 0.0000,

0.3470

0.0000

245.2656, 0.3406,
0.3459

■ 28.6102, 0.3701,
0.3624

■ 28.6102, 0.3701,
0.3624

■ 25.5077, 0.3946,
0.3737

■ 32.0428, 0.3485,
0.3510

■ 22.7208, 0.4218,
0.3843

■ 35.8114, 0.3298,
0.3400

■ 20.2395, 0.4514,
0.3933

■ 39.9268, 0.3136,
0.3296

■ 18.0521, 0.4820,
0.3995

■ 44.3983, 0.2996,
0.3199

■ 16.1456, 0.5121,
0.4016

■ 49.2345, 0.2876,
0.3109

■ 14.5055, 0.5393,
0.3986

■ 54.4439, 0.2772,
0.3027

■ 13.1833, 0.5618,
0.3921

■ 60.0345, 0.2682,
0.2952

■ 66.0143, 0.2604,
0.2883

■ 71.3206, 0.2613,
0.2987

Harmonies

Analogous

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



28.6102, 0.3683, 0.3393



28.6102, 0.3701, 0.3624



28.6102, 0.3559, 0.3782

Triad

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



28.6102, 0.3701, 0.3624



28.6102, 0.2754, 0.3424



28.6102, 0.2933, 0.2824

Complementary

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



28.6102, 0.3701, 0.3624



27.9074, 0.2656, 0.2929

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.



28.6102, 0.2701, 0.2814



28.6102, 0.3701, 0.3624



28.6102, 0.2601, 0.3145

Square

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



28.6102, 0.3701, 0.3624



28.6102, 0.3008, 0.3675



28.6102, 0.2583, 0.2925



28.6102, 0.3228, 0.2946

Rectangle

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



28.6102, 0.3701, 0.3624



28.6102, 0.3396, 0.3816



28.6102, 0.2583, 0.2925



28.6102, 0.2846, 0.2807

Sweetspot

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



28.6115, 0.3701, 0.3624



66.0302, 0.3274, 0.3385



23.6433, 0.3412, 0.2839



14.4969, 0.3298, 0.3400



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.6115, 0.3701, 0.3624



47.8841, 0.3872, 0.3705



36.9856, 0.3596, 0.3981



8.0456, 0.3276, 0.3386



9.8090, 0.5600, 0.3936



0.3407, 0.5030, 0.4388

Inverse Universe

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



27.9074, 0.2656, 0.2929



46.3822, 0.2546, 0.2831



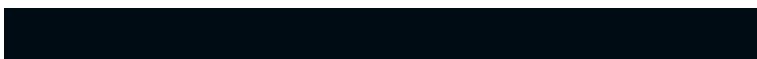
20.7492, 0.2606, 0.2490



7.9911, 0.2987, 0.3192



8.6626, 0.1851, 0.1865



0.3089, 0.1997, 0.2387

Previews

White Background



This preview shows how the Yxy color 28.6102, 0.3701, 0.3624 looks on a white background.

Color Contrast Check

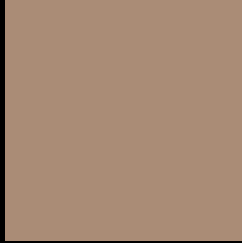
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6102, 0.3701, 0.3624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

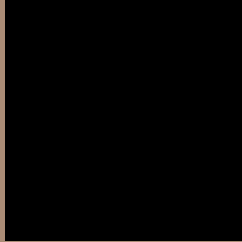
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6102, 0.3701, 0.3624

Background



This preview shows how black text looks on a background with the Yxy color 28.6102, 0.3701, 0.3624.



This preview shows how white text looks on a background with the Yxy color 28.6102, 0.3701, 0.3624.

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

28.6102, 0.3701, 0.3624

Protanopia

28.8083, 0.3465, 0.3689

Deuteranopia

28.6102, 0.3701, 0.3624



Tritanopia

28.5991, 0.3426, 0.3130

Trichromacy



Original Color

28.6102, 0.3701, 0.3624

Protanomaly

28.7762, 0.3549, 0.3666

Deuteranomaly

28.6102, 0.3701, 0.3624

Tritanomaly

28.4396, 0.3534, 0.3306

Monochromacy



Original Color

28.6102, 0.3701, 0.3624

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.6927, 0.3326, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6102, 0.3701, 0.3624 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(170, 140, 118)` looks like.

```
.text, #text, p{  
    color:rgb(170, 140, 118)  
}
```

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(170, 140, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 140, 118) }
```

Border

The CSS property to change the border of an element to Yxy 28.6102, 0.3701, 0.3624 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(170, 140, 118) }
```

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

```
.border{ border-color:rgb(170, 140, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 140, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 140, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 140, 118);  
box-shadow:4px 4px 4px 4px rgb(170, 140,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6102, 0.3701, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 140, 118) }
```

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

```
.background{ background-color: rgb(170,  
140, 118) }
```

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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