

Converting Colors

$Y_{xy}(28.6045, 0.3714, 0.3746)$

Have a look what the booklet for
Yxy(28.6045, 0.3714, 0.3746)
contains.

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Color

Yxy(28.6228, 0.3712, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	A68E70
RGB	166, 142, 112
RGB Percent	65%, 56%, 44%
CMY	0.3490, 0.4431, 0.5608
CMYK	0.00, 0.14, 0.33, 0.35
HSL	33°, 23%, 55%
HSV	33°, 33%, 65%
XYZ	28.3252, 28.6228, 19.3591
YIQ	145.7560, 23.9340, -4.2420

Conversions

Conversions Part 2

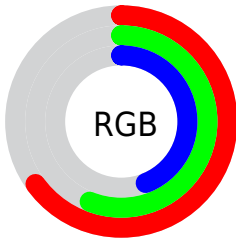
Format	Color
R_{YB}	155, 166, 112
Decimal	10915440
CIE _{Lab}	60.45, 4.46, 19.34
CIE _{LCh}	60, 19.852, 77.012
Yxy	28.6228, 0.3712, 0.3751
Android (android.graphics.Color)	4289105520 (0xFFA68E70)
YUV	145.7560, -16.6417, 17.7540
Hunter-Lab	53.5003, 0.8796, 15.9961

Details

The Yxy color $28.6228, 0.3712, 0.3751$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $23.8085, 0.2611, 0.2779$, and the grayscale version is $28.7024, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.6898, 0.3591, 0.3662$, and $11.5352, 0.3911, 0.3902$ is the 20% darker color. If you saturate the color by 10%, you get $26.1639, 0.3934, 0.3895$, and if you desaturate by 10%, it is $31.2979, 0.3509, 0.3604$.

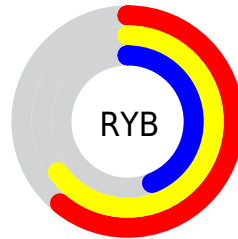
Distribution



Red (65%)

Green (56%)

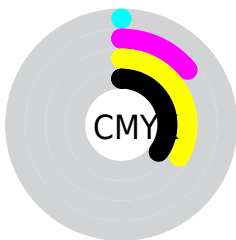
Blue (44%)



Red (61%)

Yellow (65%)

Blue (44%)

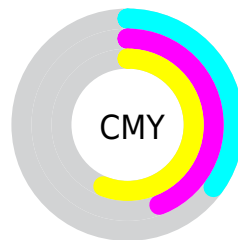


Cyan (0%)

Magenta (14%)

Yellow (33%)

Black (35%)



Cyan (35%)


Magenta (44%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6228, 0.3712, 0.3751 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 28.6228, 0.3712, 0.3751 by changing the saturation by 10% instead.


 28.6228, 0.3712,
0.3751


 28.6228, 0.3712,
0.3751

295.4310, 0.3396,
0.3507


 18.7957, 0.3799,
0.3816


 57.4772, 0.3591,
0.3659


 11.5227, 0.3915,
0.3900


 77.2733, 0.3548,
0.3626

 6.4196, 0.4077,
0.4015


 101.1612, 0.3512,
0.3598

 3.1019, 0.4317,
0.4176

 129.5253, 0.3481,
0.3574

 1.1851, 0.5161,
0.4839

162.7499, 0.3455,
0.3554

 0.0495, 0.7590,
0.2410

201.2194, 0.3433,

 0.0000, 0.0000,

0.3536

0.0000

245.3184, 0.3413,
0.3521

■ 28.6228, 0.3712,
0.3751

■ 28.6228, 0.3712,
0.3751

■ 26.1639, 0.3934,
0.3895

■ 31.2979, 0.3509,
0.3604

■ 23.9108, 0.4172,
0.4030

■ 34.1915, 0.3327,
0.3461

■ 21.8577, 0.4419,
0.4145

■ 37.3108, 0.3165,
0.3324

■ 19.9971, 0.4664,
0.4228

■ 40.6612, 0.3022,
0.3195

■ 18.3207, 0.4895,
0.4268

■ 44.2484, 0.2896,
0.3075

■ 16.8191, 0.5098,
0.4258

■ 48.0773, 0.2786,
0.2964

■ 15.7999, 0.5235,
0.4225

■ 52.1531, 0.2689,
0.2863

■ 56.4804, 0.2603,
0.2770

■ 60.6445, 0.2560,
0.2751

Harmonies

Analogous

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



28.6228, 0.3777, 0.3522



28.6228, 0.3712, 0.3751



28.6228, 0.3487, 0.3870

Triad

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



28.6228, 0.3712, 0.3751



28.6228, 0.2621, 0.3295



28.6228, 0.3054, 0.2824

Complementary

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



28.6228, 0.3712, 0.3751



23.8085, 0.2611, 0.2779

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.



28.6228, 0.2758, 0.2753



28.6228, 0.3712, 0.3751



28.6228, 0.2518, 0.3005

Square

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



28.6228, 0.3712, 0.3751



28.6228, 0.2857, 0.3604



28.6228, 0.2567, 0.2813



28.6228, 0.3386, 0.3002

Rectangle

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



28.6228, 0.3712, 0.3751



28.6228, 0.3282, 0.3858



28.6228, 0.2567, 0.2813



28.6228, 0.2947, 0.2787

Sweetspot

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



28.6241, 0.3712, 0.3751



63.3382, 0.3287, 0.3428



21.4817, 0.3528, 0.2917



14.0068, 0.3310, 0.3447



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.6241, 0.3712, 0.3751



48.6947, 0.3870, 0.3855



36.2664, 0.3579, 0.4091



8.2073, 0.3272, 0.3415



12.3443, 0.5223, 0.4235



0.4000, 0.4801, 0.4570

Inverse Universe

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



23.8085, 0.2611, 0.2779



38.5925, 0.2492, 0.2644



17.9650, 0.2587, 0.2358



7.8290, 0.2987, 0.3161



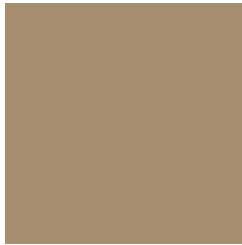
6.0018, 0.1730, 0.1428



0.2488, 0.1912, 0.2084

Previews

White Background



This preview shows how the Yxy color 28.6228, 0.3712, 0.3751 looks on a white background.

Color Contrast Check

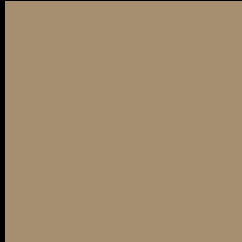
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6228, 0.3712, 0.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

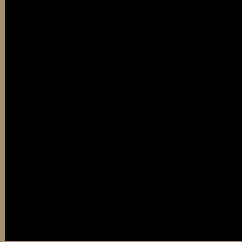
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6228, 0.3712, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 28.6228, 0.3712, 0.3751.



This preview shows how white text looks on a background with the Yxy color 28.6228, 0.3712, 0.3751.

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

28.6228, 0.3712, 0.3751

Protanopia

28.7412, 0.3548, 0.3800

Deuteranopia

28.5839, 0.3779, 0.3712



Tritanopia

28.5755, 0.3379, 0.3128

Trichromacy



Original Color

28.6228, 0.3712, 0.3751

Protanomaly

28.8140, 0.3608, 0.3793

Deuteranomaly

28.6546, 0.3751, 0.3731

Tritanomaly

28.6495, 0.3505, 0.3351

Monochromacy



Original Color

28.6228, 0.3712, 0.3751

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.7443, 0.3323, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6228, 0.3712, 0.3751 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(166, 142, 112)` looks like.

```
.text, #text, p{  
    color:rgb(166, 142, 112)  
}
```

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(166, 142, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 142, 112) }
```

Border

The CSS property to change the border of an element to Yxy 28.6228, 0.3712, 0.3751 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(166, 142, 112) }
```

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

```
.border{ border-color:rgb(166, 142, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 142, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 142, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 142, 112);  
box-shadow:4px 4px 4px 4px rgb(166, 142,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6228, 0.3712, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 142, 112) }
```

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

```
.background{ background-color: rgb(166,  
142, 112) }
```

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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