

Converting Colors

$Y_{xy}(28.3170, 0.4328, 0.4009)$

Have a look what the booklet for
Yxy(28.3170, 0.4328, 0.4009)
contains.

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Color

Yxy(28.2242, 0.4327, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	BB8652
RGB	187, 134, 82
RGB Percent	73%, 53%, 32%
CMY	0.2667, 0.4745, 0.6785
CMYK	0.00, 0.28, 0.56, 0.27
HSL	30°, 44%, 53%
HSV	30°, 56%, 73%
XYZ	30.5392, 28.2242, 11.8148
YIQ	143.9190, 48.2800, -4.9360

Conversions

Conversions Part 2

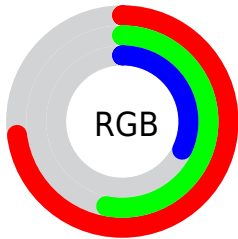
Format	Color
RYB	187, 185, 82
Decimal	12289618
CIELab	60.09, 14.48, 35.80
CIELCh	60, 38.616, 67.973
Yxy	28.2242, 0.4327, 0.3999
Android (android.graphics.Color)	4290479698 (0xFFBB8652)
YUV	143.9190, -30.5261, 37.7820
Hunter-Lab	53.1265, 9.6375, 24.0030

Details

The Yxy color $28.2242, 0.4327, 0.3999$ is a dark color, and the websafe version is hex `CC9966`. A complement of this color would be $22.6945, 0.2243, 0.2412$, and the grayscale version is $27.9659, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.8269, 0.4087, 0.3870$, and $11.2873, 0.4716, 0.4148$ is the 20% darker color. If you saturate the color by 10%, you get $25.4861, 0.4602, 0.4090$, and if you desaturate by 10%, it is $31.2753, 0.4062, 0.3884$.

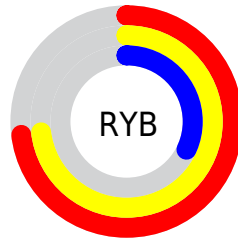
Distribution



Red (73%)

Green (53%)

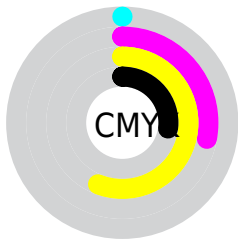
Blue (32%)



Red (73%)

Yellow (73%)

Blue (32%)

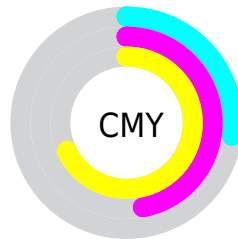


Cyan (0%)

Magenta (28%)

Yellow (56%)

Black (27%)



Cyan (27%)

Magenta (47%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2242, 0.4327, 0.3999 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 28.2242, 0.4327, 0.3999 by changing the saturation by 10% instead.


 28.2242, 0.4327,
0.3999


 28.2242, 0.4327,
0.3999


293.5367, 0.3685,
0.3651

 18.4947, 0.4494,
0.4075


 56.8422, 0.4087,
0.3879

 11.3058, 0.4708,
0.4160


 76.4995, 0.3998,
0.3831

 6.2729, 0.4985,
0.4247


 100.2349, 0.3925,
0.3790

 3.0117, 0.5539,
0.4461

 128.4327, 0.3862,
0.3755

 1.1379, 0.5775,
0.4225

 161.4774, 0.3808,
0.3724

 0.0100, 0.9731,
0.0269


199.7534, 0.3762,

 0.0000, 0.0000,

0.3697


0.0000


243.6450, 0.3721,
0.3673


 28.2242, 0.4327,
0.3999

 28.2242, 0.4327,
0.3999


 25.4861, 0.4602,
0.4090


 31.2753, 0.4062,
0.3884

 23.0442, 0.4874,
0.4144


 34.6468, 0.3817,
0.3755


 20.8862, 0.5126,
0.4150

 38.3509, 0.3595,
0.3622

 18.9958, 0.5343,
0.4102

 42.3978, 0.3397,
0.3491

 18.3325, 0.5421,
0.4077

 46.7971, 0.3223,
0.3364

■ 51.5582, 0.3071,
0.3245

■ 56.6899, 0.2939,
0.3135

■ 62.2007, 0.2824,
0.3033

■ 68.0988, 0.2724,
0.2939

Harmonies

Analogous

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



28.2242, 0.4370, 0.3523



28.2242, 0.4327, 0.3999



28.2242, 0.3947, 0.4363

Triad

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



28.2242, 0.4327, 0.3999



28.2242, 0.2273, 0.3469



28.2242, 0.2786, 0.2376

Complementary

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



28.2242, 0.4327, 0.3999



22.6945, 0.2243, 0.2412

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.



28.2242, 0.2297, 0.2302



28.2242, 0.4327, 0.3999



28.2242, 0.2025, 0.2854

Square

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



28.2242, 0.4327, 0.3999



28.2242, 0.2756, 0.4101



28.2242, 0.2037, 0.2454



28.2242, 0.3424, 0.2640

Rectangle

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



28.2242, 0.4327, 0.3999



28.2242, 0.3574, 0.4459



28.2242, 0.2037, 0.2454



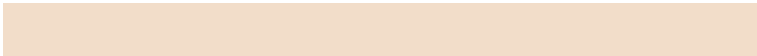
28.2242, 0.2600, 0.2328

Sweetspot

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



28.2256, 0.4327, 0.3999



75.1054, 0.3418, 0.3505



18.3781, 0.3895, 0.2560



16.2099, 0.3456, 0.3531



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.



28.2256, 0.4327, 0.3999



44.7696, 0.4655, 0.4104



45.9713, 0.3935, 0.4590



10.2961, 0.3276, 0.3404



12.7767, 0.5403, 0.4092



0.6314, 0.5039, 0.4381

Inverse Universe

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



22.6945, 0.2243, 0.2412



33.9073, 0.2078, 0.2185



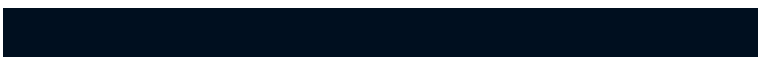
11.6775, 0.2060, 0.1542



9.9994, 0.2984, 0.3173



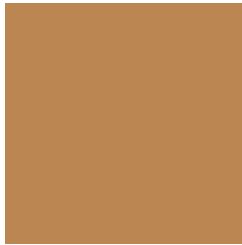
8.1741, 0.1781, 0.1612



0.4510, 0.1902, 0.2046

Previews

White Background



This preview shows how the Yxy color 28.2242, 0.4327, 0.3999 looks on a white background.

Color Contrast Check

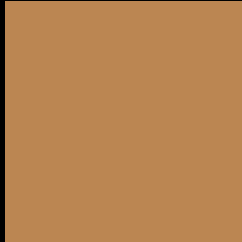
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2242, 0.4327, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

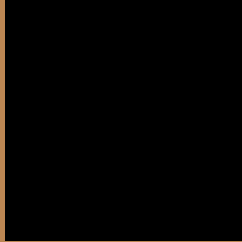
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2242, 0.4327, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 28.2242, 0.4327, 0.3999.



This preview shows how white text looks on a background with the Yxy color 28.2242, 0.4327, 0.3999.

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

28.2242, 0.4327, 0.3999

Protanopia

28.2936, 0.3879, 0.4205

Deuteranopia

28.1182, 0.4189, 0.4104



Tritanopia

28.0613, 0.3776, 0.3154

Trichromacy



Original Color

28.2242, 0.4327, 0.3999

Protanomaly

28.1406, 0.4034, 0.4124

Deuteranomaly

28.3092, 0.4243, 0.4074

Tritanomaly

28.1968, 0.3994, 0.3473

Monochromacy



Original Color

28.2242, 0.4327, 0.3999

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.6102, 0.3553, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2242, 0.4327, 0.3999 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(187, 134, 82)` looks like.

```
.text, #text, p{  
    color:rgb(187, 134, 82)  
}
```

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(187, 134, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 134, 82) }
```

Border

The CSS property to change the border of an element to Yxy 28.2242, 0.4327, 0.3999 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(187, 134, 82) }
```

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

```
.border{ border-color:rgb(187, 134, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 134, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 134, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 134, 82);  
box-shadow:4px 4px 4px 4px rgb(187, 134,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2242, 0.4327, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 134, 82) }
```

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

```
.background{ background-color: rgb(187,  
134, 82) }
```

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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