

Converting Colors

$Y_{xy}(27.9041, 0.4491, 0.4215)$

Have a look what the booklet for
Yxy(27.9041, 0.4491, 0.4215)
contains.

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Color

Yxy(27.8482, 0.4493, 0.4217)

Conversions

Conversions Part 1

Format	Color
Hex	BA863F
RGB	186, 134, 63
RGB Percent	73%, 53%, 25%
CMY	0.2706, 0.4745, 0.7528
CMYK	0.00, 0.28, 0.66, 0.27
HSL	35°, 49%, 49%
HSV	35°, 66%, 73%
XYZ	29.6708, 27.8482, 8.5189
YIQ	141.4540, 53.7830, -11.0570

Conversions

Conversions Part 2

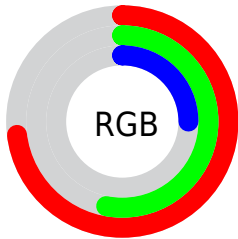
Format	Color
R _Y B	153, 186, 63
Decimal	12224063
CIE Lab	59.75, 12.67, 45.07
CIE LCh	60, 46.812, 74.299
Yxy	27.8482, 0.4493, 0.4217
Android (android.graphics.Color)	4290414143 (0xFFBA863F)
YUV	141.4540, -38.6778, 39.0668
Hunter-Lab	52.7714, 8.0121, 27.3688

Details

The Yxy color **27.8482, 0.4493, 0.4217** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.8676, 0.2061, 0.2039**, and the grayscale version is **26.9648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1454, 0.4234, 0.4070**, and **11.0319, 0.4891, 0.4393** is the 20% darker color. If you saturate the color by 10%, you get **25.5819, 0.4726, 0.4289**, and if you desaturate by 10%, it is **30.3492, 0.4252, 0.4108**.

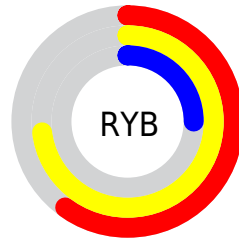
Distribution



Red (73%)

Green (53%)

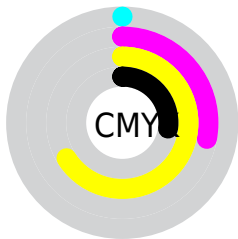
Blue (25%)



Red (60%)

Yellow (73%)

Blue (25%)

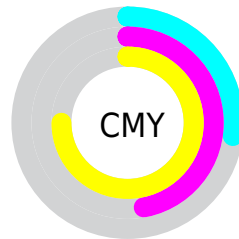


Cyan (0%)

Magenta (28%)

Yellow (66%)

Black (27%)



Cyan (27%)


Magenta (47%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8482, 0.4493, 0.4217 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 27.8482, 0.4493, 0.4217 by changing the saturation by 10% instead.


 27.8482, 0.4493,
0.4217


 27.8482, 0.4493,
0.4217


291.7408, 0.3777,
0.3770


 18.2113, 0.4668,
0.4307


 56.2420, 0.4232,
0.4066


 11.1018, 0.4880,
0.4401


 75.7676, 0.4134,
0.4006

 6.1353, 0.5168,
0.4511

 99.3583, 0.4050,
0.3953

 2.9275, 0.5464,
0.4536

 127.3984, 0.3979,
0.3906

 1.0940, 0.5679,
0.4321

 160.2723, 0.3918,
0.3866

 0.0000, 1.0000,
0.0000

 198.3644, 0.3865,

 0.0000, 0.0000,

0.3830

0.0000

242.0591, 0.3818,
0.3798

■ 27.8482, 0.4493,
0.4217

■ 27.8482, 0.4493,
0.4217

■ 25.5819, 0.4726,
0.4289

■ 30.3492, 0.4252,
0.4108

■ 23.5352, 0.4937,
0.4313

■ 33.0904, 0.4015,
0.3975

■ 21.6963, 0.5117,
0.4285

■ 36.0822, 0.3789,
0.3827

■ 21.0283, 0.5183,
0.4267

■ 39.3329, 0.3580,
0.3674

■ 42.8503, 0.3391,
0.3522

■ 46.6418, 0.3221,
0.3376

■ 50.7145, 0.3071,
0.3237

■ 55.0750, 0.2938,
0.3108

■ 59.7299, 0.2821,
0.2989

Harmonies

Analogous

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



27.8482, 0.4662, 0.3659



27.8482, 0.4493, 0.4217



27.8482, 0.3957, 0.4639

Triad

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



27.8482, 0.4493, 0.4217



27.8482, 0.2015, 0.3321



27.8482, 0.2860, 0.2260

Complementary

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



27.8482, 0.4493, 0.4217



16.8676, 0.2061, 0.2039

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.



27.8482, 0.2236, 0.2120



27.8482, 0.4493, 0.4217



27.8482, 0.1800, 0.2621

Square

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



27.8482, 0.4493, 0.4217



27.8482, 0.2525, 0.4149



27.8482, 0.1878, 0.2225



27.8482, 0.3650, 0.2605

Rectangle

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



27.8482, 0.4493, 0.4217



27.8482, 0.3485, 0.4722



27.8482, 0.1878, 0.2225



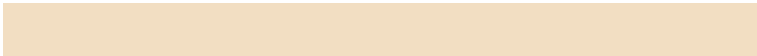
27.8482, 0.2625, 0.2188

Sweetspot

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



27.8496, 0.4493, 0.4217



74.9265, 0.3468, 0.3586



15.2649, 0.4293, 0.2601



16.1053, 0.3522, 0.3629



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.



27.8496, 0.4493, 0.4217



44.7691, 0.4818, 0.4305



44.9128, 0.3948, 0.4823



9.8499, 0.3274, 0.3422



14.2999, 0.5166, 0.4280



0.6239, 0.4852, 0.4529

Inverse Universe

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



16.8676, 0.2061, 0.2039



23.5692, 0.1877, 0.1725



8.4520, 0.1919, 0.1223



9.3268, 0.2985, 0.3155



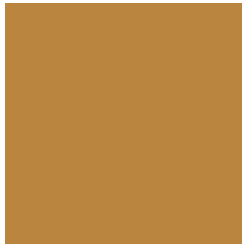
6.2536, 0.1710, 0.1354



0.3436, 0.1854, 0.1874

Previews

White Background



This preview shows how the Yxy color 27.8482, 0.4493, 0.4217 looks on a white background.

Color Contrast Check

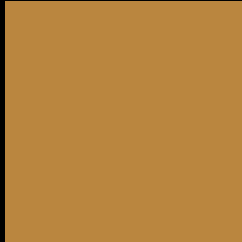
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8482, 0.4493, 0.4217 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 27.8482, 0.4493, 0.4217

Background



This preview shows how black text looks on a background with the Yxy color 27.8482, 0.4493, 0.4217.



This preview shows how white text looks on a background with the Yxy color 27.8482, 0.4493, 0.4217.

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

27.8482, 0.4493, 0.4217

Protanopia

27.8134, 0.4076, 0.4454

Deuteranopia

27.8228, 0.4393, 0.4303



Tritanopia

27.7756, 0.3792, 0.3154

Trichromacy



Original Color

27.8482, 0.4493, 0.4217

Protanomaly

27.5728, 0.4225, 0.4364

Deuteranomaly

27.9012, 0.4437, 0.4274

Tritanomaly

27.6235, 0.4085, 0.3571

Monochromacy



Original Color

27.8482, 0.4493, 0.4217

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.5373, 0.3613, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8482, 0.4493, 0.4217 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, 134, 63)` looks like.

```
.text, #text, p{  
    color:rgb(186, 134, 63)  
}
```

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, 134, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 134, 63) }
```

Border

The CSS property to change the border of an element to Yxy 27.8482, 0.4493, 0.4217 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, 134, 63) }
```

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

```
.border{ border-color:rgb(186, 134, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 134, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 134, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 134, 63);  
box-shadow:4px 4px 4px 4px rgb(186, 134,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8482, 0.4493, 0.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 134, 63) }
```

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

```
.background{ background-color: rgb(186,  
134, 63) }
```

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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