

Converting Colors

$Y_{xy}(29.4706, 0.4306, 0.4227)$

Have a look what the booklet for
Yxy(29.4706, 0.4306, 0.4227)
contains.

Yxy(29.4627, 0.4303, 0.4228)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.4627, 0.4303, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	B68D48
RGB	182, 141, 72
RGB Percent	71%, 55%, 28%
CMY	0.2863, 0.4470, 0.7177
CMYK	0.00, 0.23, 0.60, 0.29
HSL	38°, 43%, 50%
HSV	38°, 60%, 71%
XYZ	29.9853, 29.4627, 10.2367
YIQ	145.3930, 46.5850, -12.7670

Conversions

Conversions Part 2

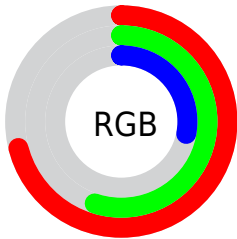
Format	Color
RYB	137, 182, 72
Decimal	11963720
CIELab	61.19, 7.67, 42.14
CIElCh	61, 42.833, 79.684
Yxy	29.4627, 0.4303, 0.4228
Android (android.graphics.Color)	4290153800 (0xFFB68D48)
YUV	145.3930, -36.1827, 32.1043
Hunter-Lab	54.2796, 3.6185, 26.8141

Details

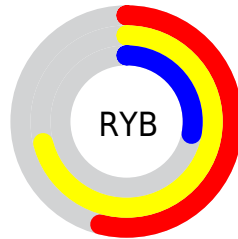
The Yxy color **29.4627, 0.4303, 0.4228** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.5625, 0.2124, 0.2067**, and the grayscale version is **28.6203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5389, 0.4076, 0.4057**, and **11.9797, 0.4639, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **27.3214, 0.4520, 0.4332**, and if you desaturate by 10%, it is **31.7997, 0.4081, 0.4093**.

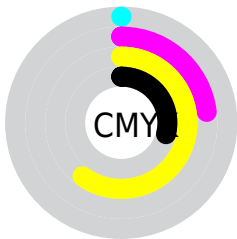
Distribution



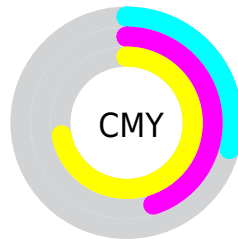
- Red (71%)
- Green (55%)
- Blue (28%)



- Red (54%)
- Yellow (71%)
- Blue (28%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (29%)




- Cyan (29%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4627, 0.4303, 0.4228 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 29.4627, 0.4303, 0.4228 by changing the saturation by 10% instead.


 29.4627, 0.4303,
0.4228


 29.4627, 0.4303,
0.4228


299.3919, 0.3690,
0.3761


 19.4311, 0.4453,
0.4332


 58.8114, 0.4079,
0.4065


 11.9822, 0.4638,
0.4452


 78.8974, 0.3995,
0.4001

 6.7316, 0.4866,
0.4581


 103.1035, 0.3924,
0.3946

 3.2948, 0.5223,
0.4777

 131.8144, 0.3863,
0.3899

 1.2875, 0.5348,
0.4652

 165.4142, 0.3811,
0.3858

 0.1315, 0.7037,
0.2963

204.2875, 0.3765,

 0.0000, 0.0000,

0.3821

0.0000

248.8186, 0.3725,
0.3789

■ 29.4627, 0.4303,
0.4228

■ 29.4627, 0.4303,
0.4228

■ 27.3214, 0.4520,
0.4332

■ 31.7997, 0.4081,
0.4093

■ 25.3629, 0.4722,
0.4395

■ 34.3358, 0.3863,
0.3940

■ 23.5787, 0.4897,
0.4408

■ 37.0795, 0.3656,
0.3776

■ 22.0192, 0.5039,
0.4381

■ 40.0376, 0.3465,
0.3612

■ 43.2162, 0.3291,
0.3450

■ 46.6213, 0.3134,
0.3297

■ 50.2585, 0.2994,
0.3152

■ 54.1333, 0.2869,
0.3018

■ 58.2507, 0.2759,
0.2894

Harmonies

Analogous

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



29.4627, 0.4515, 0.3737



29.4627, 0.4303, 0.4228



29.4627, 0.3781, 0.4544

Triad

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



29.4627, 0.4303, 0.4228



29.4627, 0.2062, 0.3197



29.4627, 0.3012, 0.2393

Complementary

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



29.4627, 0.4303, 0.4228



16.5625, 0.2124, 0.2067

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.



29.4627, 0.2405, 0.2228



29.4627, 0.4303, 0.4228



29.4627, 0.1909, 0.2607

Square

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



29.4627, 0.4303, 0.4228



29.4627, 0.2488, 0.3930



29.4627, 0.2027, 0.2288



29.4627, 0.3727, 0.2742

Rectangle

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



29.4627, 0.4303, 0.4228



29.4627, 0.3342, 0.4549



29.4627, 0.2027, 0.2288



29.4627, 0.2789, 0.2315

Sweetspot

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



29.4641, 0.4303, 0.4228



73.7875, 0.3426, 0.3577



15.7978, 0.4238, 0.2716



15.9384, 0.3479, 0.3624



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



29.4641, 0.4303, 0.4228



48.1494, 0.4599, 0.4361



42.3754, 0.3846, 0.4752



9.9256, 0.3273, 0.3433



15.6811, 0.5027, 0.4391



0.6673, 0.4760, 0.4602

Inverse Universe

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



16.5625, 0.2124, 0.2067



22.7944, 0.1920, 0.1736



9.9351, 0.2075, 0.1423



9.2531, 0.2985, 0.3143



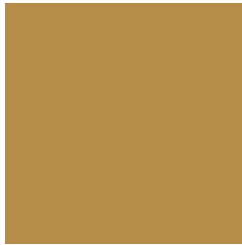
5.4076, 0.1669, 0.1207



0.3111, 0.1819, 0.1748

Previews

White Background



This preview shows how the Yxy color 29.4627, 0.4303, 0.4228 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 29.4627, 0.4303, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

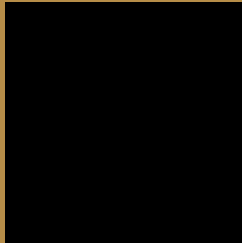
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4627, 0.4303, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 29.4627, 0.4303, 0.4228.



This preview shows how white text looks on a background with the Yxy color 29.4627, 0.4303, 0.4228.

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

29.4627, 0.4303, 0.4228

Protanopia

29.5667, 0.4023, 0.4383

Deuteranopia

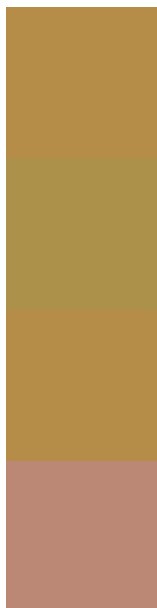
29.4627, 0.4303, 0.4228



Tritanopia

29.4496, 0.3649, 0.3153

Trichromacy



Original Color

29.4627, 0.4303, 0.4228

Protanomaly

29.3898, 0.4135, 0.4322

Deuteranomaly

29.4627, 0.4303, 0.4228

Tritanomaly

29.3318, 0.3916, 0.3560

Monochromacy



Original Color

29.4627, 0.4303, 0.4228

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.5236, 0.3548, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4627, 0.4303, 0.4228 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(182, 141, 72)` looks like.

```
.text, #text, p{  
    color:rgb(182, 141, 72)  
}
```

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(182, 141, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 141, 72) }
```

Border

The CSS property to change the border of an element to Yxy 29.4627, 0.4303, 0.4228 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(182, 141, 72) }
```

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

```
.border{ border-color:rgb(182, 141, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 141, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 141, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 141, 72);  
box-shadow:4px 4px 4px 4px rgb(182, 141,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4627, 0.4303, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 141, 72) }
```

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

```
.background{ background-color: rgb(182,  
141, 72) }
```

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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