

Converting Colors

$Y_{xy}(28.7603, 0.4681, 0.4221)$

Have a look what the booklet for
Yxy(28.7603, 0.4681, 0.4221)
contains.

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Color

Yxy(28.7867, 0.4674, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	C48537
RGB	196, 133, 55
RGB Percent	77%, 52%, 22%
CMY	0.2315, 0.4784, 0.7843
CMYK	0.00, 0.32, 0.72, 0.23
HSL	33°, 56%, 49%
HSV	33°, 72%, 77%
XYZ	31.8384, 28.7867, 7.4930
YIQ	142.9450, 62.5860, -10.9020

Conversions

Conversions Part 2

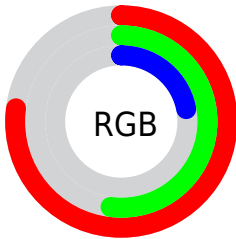
Format	Color
R_{YB}	169, 196, 55
Decimal	12879159
CIE Lab	60.59, 17.11, 50.10
CIE LCh	61, 52.938, 71.146
Yxy	28.7867, 0.4674, 0.4226
Android (android.graphics.Color)	4291069239 (0xFFC48537)
YUV	142.9450, -43.3569, 46.5292
Hunter-Lab	53.6532, 12.0306, 29.2771

Details

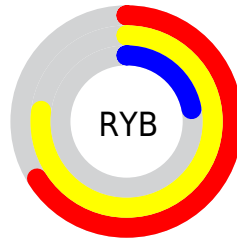
The Yxy color **28.7867, 0.4674, 0.4226** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.7466, 0.1991, 0.1962**, and the grayscale version is **27.6037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4184, 0.4376, 0.4093**, and **11.5898, 0.5087, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **26.3379, 0.4908, 0.4265**, and if you desaturate by 10%, it is **31.5128, 0.4425, 0.4143**.

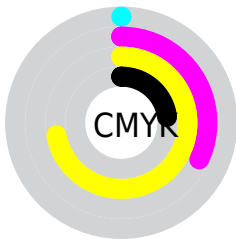
Distribution



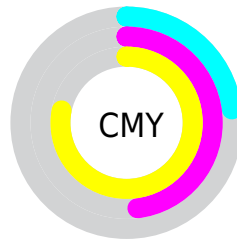
- Red (77%)
- Green (52%)
- Blue (22%)



- Red (66%)
- Yellow (77%)
- Blue (22%)



- Cyan (0%)
- Magenta (32%)
- Yellow (72%)
- Black (23%)




- Cyan (23%)
- Magenta (48%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7867, 0.4674, 0.4226 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 28.7867, 0.4674, 0.4226 by changing the saturation by 10% instead.


 28.7867, 0.4674,
0.4226


 28.7867, 0.4674,
0.4226


296.2072, 0.3874,
0.3798

 18.9195, 0.4862,
0.4300


 57.7380, 0.4387,
0.4091

 11.6121, 0.5086,
0.4366


 77.5910, 0.4277,
0.4033


 6.4802, 0.5415,
0.4458


 101.5413, 0.4184,
0.3981

 3.1392, 0.5642,
0.4358

 129.9733, 0.4104,
0.3936

 1.2048, 0.5906,
0.4094

 163.2716, 0.4035,
0.3896

 0.0656, 0.8797,
0.1203

 201.8204, 0.3974,

 0.0000, 0.0000,

0.3860

0.0000

246.0041, 0.3921,
0.3827

■ 28.7867, 0.4674,
0.4226

■ 28.7867, 0.4674,
0.4226

■ 26.3379, 0.4908,
0.4265

■ 31.5128, 0.4425,
0.4143

■ 24.1477, 0.5113,
0.4251

■ 34.5243, 0.4174,
0.4028

■ 22.5530, 0.5256,
0.4208

■ 37.8342, 0.3933,
0.3892

■ 41.4531, 0.3708,
0.3746

■ 45.3907, 0.3503,
0.3598

■ 49.6563, 0.3319,
0.3454

■ 54.2589, 0.3156,
0.3316

■ 59.2069, 0.3013,
0.3186

■ 64.5084, 0.2887,
0.3066

Harmonies

Analogous

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



28.7867, 0.4826, 0.3607



28.7867, 0.4674, 0.4226



28.7867, 0.4103, 0.4744

Triad

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



28.7867, 0.4674, 0.4226



28.7867, 0.1941, 0.3412



28.7867, 0.2740, 0.2134

Complementary

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



28.7867, 0.4674, 0.4226



17.7466, 0.1991, 0.1962

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.



28.7867, 0.2089, 0.2005



28.7867, 0.4674, 0.4226



28.7867, 0.1681, 0.2602

Square

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



28.7867, 0.4674, 0.4226



28.7867, 0.2524, 0.4351



28.7867, 0.1736, 0.2142



28.7867, 0.3611, 0.2487

Rectangle

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



28.7867, 0.4674, 0.4226



28.7867, 0.3590, 0.4898



28.7867, 0.1736, 0.2142



28.7867, 0.2491, 0.2064

Sweetspot

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



28.7882, 0.4674, 0.4226



81.9412, 0.3511, 0.3604



15.7844, 0.4417, 0.2542



17.1071, 0.3566, 0.3645



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



28.7882, 0.4674, 0.4226



45.5173, 0.5023, 0.4264



50.5568, 0.4013, 0.4902



10.9812, 0.3275, 0.3417



14.6685, 0.5238, 0.4223



0.7697, 0.4944, 0.4456

Inverse Universe

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



17.7466, 0.1991, 0.1962



24.5426, 0.1820, 0.1640



7.7432, 0.1798, 0.1045



10.4720, 0.2984, 0.3159



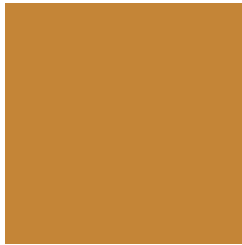
7.1636, 0.1729, 0.1423



0.4468, 0.1850, 0.1859

Previews

White Background



This preview shows how the Yxy color 28.7867, 0.4674, 0.4226 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 28.7867, 0.4674, 0.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

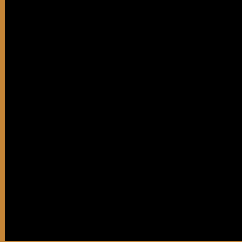
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7867, 0.4674, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 28.7867, 0.4674, 0.4226.



This preview shows how white text looks on a background with the Yxy color 28.7867, 0.4674, 0.4226.

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

28.7867, 0.4674, 0.4226

Protanopia

28.9697, 0.4137, 0.4552

Deuteranopia

28.7896, 0.4484, 0.4391



Tritanopia

28.8060, 0.3936, 0.3174

Trichromacy



Original Color

28.7867, 0.4674, 0.4226

Protanomaly

28.7655, 0.4329, 0.4429

Deuteranomaly

28.8490, 0.4553, 0.4328

Tritanomaly

28.6004, 0.4253, 0.3596

Monochromacy



Original Color

28.7867, 0.4674, 0.4226

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.2943, 0.3690, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7867, 0.4674, 0.4226 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(196, 133, 55)` looks like.

```
.text, #text, p{  
    color:rgb(196, 133, 55)  
}
```

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(196, 133, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 133, 55) }
```

Border

The CSS property to change the border of an element to Yxy 28.7867, 0.4674, 0.4226 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(196, 133, 55) }
```

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

```
.border{ border-color:rgb(196, 133, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 133, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 133, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 133, 55);  
box-shadow:4px 4px 4px 4px rgb(196, 133,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7867, 0.4674, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 133, 55) }
```

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

```
.background{ background-color: rgb(196,  
133, 55) }
```

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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