

Converting Colors

$Y_{xy}(28.1233, 0.4231, 0.4247)$

Have a look what the booklet for
Yxy(28.1233, 0.4231, 0.4247)
contains.

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Color

Yxy(28.2227, 0.4222, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	AE8C48
RGB	174, 140, 72
RGB Percent	68%, 55%, 28%
CMY	0.3176, 0.4510, 0.7177
CMYK	0.00, 0.20, 0.59, 0.32
HSL	40°, 41%, 48%
HSV	40°, 59%, 68%
XYZ	28.0038, 28.2227, 10.1018
YIQ	142.4140, 42.0920, -13.9400

Conversions

Conversions Part 2

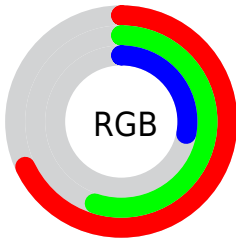
Format	Color
RYB	123, 174, 72
Decimal	11439176
CIELab	60.09, 4.74, 40.65
CIElCh	60, 40.923, 83.354
Yxy	28.2227, 0.4222, 0.4255
Android (android.graphics.Color)	4289629256 (0xFFAE8C48)
YUV	142.4140, -34.7141, 27.7009
Hunter-Lab	53.1250, 1.1239, 25.9134

Details

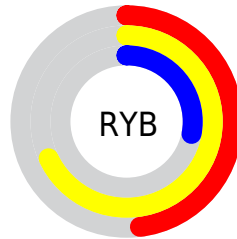
The Yxy color **28.2227, 0.4222, 0.4255** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **14.7414, 0.2140, 0.2039**, and the grayscale version is **27.3515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7009, 0.4020, 0.4080**, and **11.2961, 0.4549, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **26.3776, 0.4425, 0.4373**, and if you desaturate by 10%, it is **30.2242, 0.4013, 0.4108**.

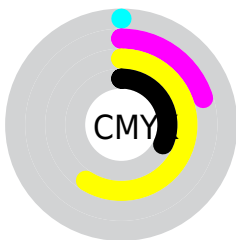
Distribution



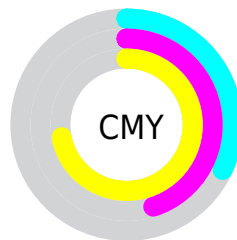
- Red (68%)
- Green (55%)
- Blue (28%)



- Red (48%)
- Yellow (68%)
- Blue (28%)



- Cyan (0%)
- Magenta (20%)
- Yellow (59%)
- Black (32%)



- Cyan (32%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2227, 0.4222, 0.4255 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 28.2227, 0.4222, 0.4255 by changing the saturation by 10% instead.


 28.2227, 0.4222,
0.4255


 28.2227, 0.4222,
0.4255


293.5295, 0.3648,
0.3763


 18.4936, 0.4364,
0.4370


 56.8398, 0.4012,
0.4079


 11.3049, 0.4539,
0.4505


 76.4966, 0.3933,
0.4012

 6.2723, 0.4755,
0.4661


 100.2314, 0.3866,
0.3954

 3.0114, 0.5098,
0.4902

 128.4286, 0.3810,
0.3905

 1.1377, 0.5182,
0.4818

 161.4726, 0.3761,
0.3862

 0.0099, 0.9266,
0.0734

199.7479, 0.3718,

 0.0000, 0.0000,

0.3825

0.0000

243.6387, 0.3681,
0.3792

■ 28.2227, 0.4222,
0.4255

■ 28.2227, 0.4222,
0.4255

■ 26.3776, 0.4425,
0.4373

■ 30.2242, 0.4013,
0.4108

■ 24.6778, 0.4613,
0.4452

■ 32.3841, 0.3808,
0.3944

■ 23.1167, 0.4775,
0.4484

■ 34.7098, 0.3611,
0.3772

■ 21.6813, 0.4910,
0.4471

■ 37.2064, 0.3428,
0.3598

■ 21.4911, 0.4928,
0.4469

■ 39.8790, 0.3260,
0.3430

■ 42.7324, 0.3107,
0.3268

■ 45.7712, 0.2970,
0.3117

■ 48.9995, 0.2848,
0.2976

■ 52.4217, 0.2739,
0.2847

Harmonies

Analogous

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



28.2227, 0.4470, 0.3791



28.2227, 0.4222, 0.4255



28.2227, 0.3690, 0.4521

Triad

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



28.2227, 0.4222, 0.4255



28.2227, 0.2059, 0.3121



28.2227, 0.3100, 0.2449

Complementary

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



28.2227, 0.4222, 0.4255



14.7414, 0.2140, 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.



28.2227, 0.2488, 0.2264



28.2227, 0.4222, 0.4255



28.2227, 0.1941, 0.2576

Square

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



28.2227, 0.4222, 0.4255



28.2227, 0.2445, 0.3825



28.2227, 0.2088, 0.2295



28.2227, 0.3790, 0.2809

Rectangle

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



28.2227, 0.4222, 0.4255



28.2227, 0.3258, 0.4485



28.2227, 0.2088, 0.2295



28.2227, 0.2877, 0.2366

Sweetspot

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



28.2241, 0.4222, 0.4255



67.6287, 0.3422, 0.3593



14.6741, 0.4275, 0.2804



14.7350, 0.3473, 0.3643



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.2241, 0.4222, 0.4255



47.0125, 0.4476, 0.4398



37.9095, 0.3778, 0.4740



8.8735, 0.3270, 0.3441



15.6994, 0.4918, 0.4477



0.5318, 0.4650, 0.4690

Inverse Universe

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



14.7414, 0.2140, 0.2039



20.4590, 0.1942, 0.1720



9.8144, 0.2163, 0.1508



8.1771, 0.2986, 0.3135



4.5103, 0.1641, 0.1107



0.2277, 0.1818, 0.1746

Previews

White Background



This preview shows how the Yxy color 28.2227, 0.4222, 0.4255 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 28.2227, 0.4222, 0.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

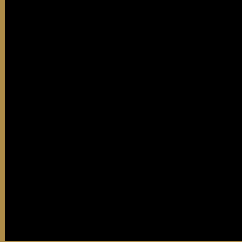
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2227, 0.4222, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 28.2227, 0.4222, 0.4255.



This preview shows how white text looks on a background with the Yxy color 28.2227, 0.4222, 0.4255.

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

28.2227, 0.4222, 0.4255

Protanopia

28.2188, 0.4000, 0.4366

Deuteranopia

28.1098, 0.4286, 0.4210



Tritanopia

28.1588, 0.3572, 0.3148

Trichromacy



Original Color

28.2227, 0.4222, 0.4255

Protanomaly

28.1253, 0.4083, 0.4327

Deuteranomaly

28.2802, 0.4265, 0.4227

Tritanomaly

28.0773, 0.3829, 0.3556

Monochromacy



Original Color

28.2227, 0.4222, 0.4255

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.2041, 0.3523, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2227, 0.4222, 0.4255 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(174, 140, 72)` looks like.

```
.text, #text, p{  
    color:rgb(174, 140, 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(174, 140, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 140, 72) }
```

Border

The CSS property to change the border of an element to Yxy 28.2227, 0.4222, 0.4255 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(174, 140, 72) }
```

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

```
.border{ border-color:rgb(174, 140, 72) }
```

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

Here you see how a box with a 4 pixel rgb(174, 140, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 140, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 140, 72);  
box-shadow:4px 4px 4px 4px rgb(174, 140,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2227, 0.4222, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 140, 72) }
```

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

```
.background{ background-color: rgb(174,  
140, 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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