

Converting Colors

$Y_{xy}(28.7571, 0.4082, 0.4221)$

Have a look what the booklet for
Yxy(28.7571, 0.4082, 0.4221)
contains.

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Color

Yxy(28.7555, 0.4087, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	AA8F4F
RGB	170, 143, 79
RGB Percent	67%, 56%, 31%
CMY	0.3334, 0.4392, 0.6902
CMYK	0.00, 0.16, 0.54, 0.33
HSL	42°, 37%, 49%
HSV	42°, 54%, 67%
XYZ	27.8097, 28.7555, 11.4791
YIQ	143.7770, 36.6360, -14.1800

Conversions

Conversions Part 2

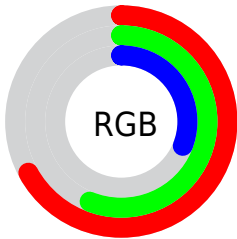
Format	Color
RYB	117, 170, 79
Decimal	11177807
CIELab	60.57, 1.91, 37.53
CIELCh	61, 37.577, 87.079
Yxy	28.7555, 0.4087, 0.4226
Android (android.graphics.Color)	4289367887 (0xFFAA8F4F)
YUV	143.7770, -31.9351, 22.9976
Hunter-Lab	53.6242, -1.2715, 24.8450

Details

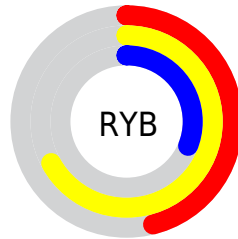
The Yxy color **28.7555, 0.4087, 0.4226** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **14.8659, 0.2215, 0.2107**, and the grayscale version is **27.9153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8751, 0.3896, 0.4050**, and **11.5725, 0.4363, 0.4495** is the 20% darker color. If you saturate the color by 10%, you get **27.0605, 0.4281, 0.4367**, and if you desaturate by 10%, it is **30.5845, 0.3889, 0.4062**.

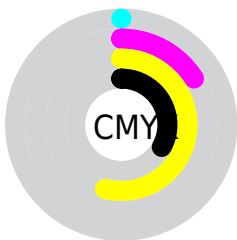
Distribution



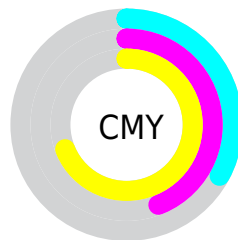
- Red (67%)
- Green (56%)
- Blue (31%)



- Red (46%)
- Yellow (67%)
- Blue (31%)



- Cyan (0%)
- Magenta (16%)
- Yellow (54%)
- Black (33%)





- Cyan (33%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7555, 0.4087, 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 28.7555, 0.4087, 0.4226 by changing the saturation by 10% instead.


 28.7555, 0.4087,
0.4226


 28.7555, 0.4087,
0.4226


296.0596, 0.3584,
0.3741


 18.8959, 0.4213,
0.4345


 57.6884, 0.3902,
0.4049


 11.5951, 0.4370,
0.4491

 77.5305, 0.3833,
0.3982

 6.4686, 0.4565,
0.4668


 101.4690, 0.3774,
0.3926

 3.1321, 0.4964,
0.5036

 129.8881, 0.3725,
0.3878

 1.2011, 0.4997,
0.5003

 163.1723, 0.3682,
0.3836

 0.0626, 0.6293,
0.3707

201.7061, 0.3645,

 0.0000, 0.0000,

0.3800

0.0000

245.8737, 0.3613,
0.3769

■ 28.7555, 0.4087,
0.4226

■ 28.7555, 0.4087,
0.4226

■ 27.0605, 0.4281,
0.4367

■ 30.5845, 0.3889,
0.4062

■ 25.4897, 0.4463,
0.4474

■ 32.5488, 0.3696,
0.3885

■ 24.0378, 0.4623,
0.4538

■ 34.6544, 0.3511,
0.3703

■ 22.6971, 0.4755,
0.4554

■ 36.9061, 0.3338,
0.3523

■ 21.8790, 0.4830,
0.4547

■ 39.3080, 0.3180,
0.3349

■ 41.8642, 0.3036,
0.3185

■ 44.5785, 0.2906,
0.3031

■ 47.4546, 0.2790,
0.2888

■ 50.4961, 0.2686,
0.2757

Harmonies

Analogous

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



28.7555, 0.4347, 0.3820



28.7555, 0.4087, 0.4226



28.7555, 0.3580, 0.4418

Triad

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



28.7555, 0.4087, 0.4226



28.7555, 0.2116, 0.3068



28.7555, 0.3183, 0.2547

Complementary

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



28.7555, 0.4087, 0.4226



14.8659, 0.2215, 0.2107

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.



28.7555, 0.2602, 0.2353



28.7555, 0.4087, 0.4226



28.7555, 0.2035, 0.2594

Square

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



28.7555, 0.4087, 0.4226



28.7555, 0.2447, 0.3698



28.7555, 0.2203, 0.2358



28.7555, 0.3806, 0.2899

Rectangle

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



28.7555, 0.4087, 0.4226



28.7555, 0.3179, 0.4343



28.7555, 0.2203, 0.2358



28.7555, 0.2976, 0.2462

Sweetspot

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



28.7569, 0.4087, 0.4226



65.8163, 0.3384, 0.3572



15.1820, 0.4176, 0.2883



14.4943, 0.3418, 0.3608



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.7569, 0.4087, 0.4226



48.6248, 0.4312, 0.4387



35.9661, 0.3703, 0.4642



8.3925, 0.3269, 0.3448



16.1964, 0.4822, 0.4554



0.4766, 0.4572, 0.4752

Inverse Universe

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



14.8659, 0.2215, 0.2107



20.8763, 0.2017, 0.1798



11.0439, 0.2293, 0.1688



7.6497, 0.2986, 0.3127



3.9255, 0.1616, 0.1018



0.1833, 0.1803, 0.1690

Previews

White Background



This preview shows how the Yxy color 28.7555, 0.4087, 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 28.7555, 0.4087, 0.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

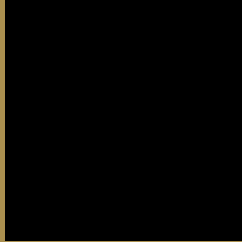
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7555, 0.4087, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 28.7555, 0.4087, 0.4226.



This preview shows how white text looks on a background with the Yxy color 28.7555, 0.4087, 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

28.7555, 0.4087, 0.4226

Protanopia

28.7140, 0.3951, 0.4294

Deuteranopia

28.6281, 0.4213, 0.4121



Tritanopia

28.6334, 0.3473, 0.3131

Trichromacy



Original Color

28.7555, 0.4087, 0.4226

Protanomaly

28.7225, 0.3993, 0.4266

Deuteranomaly

28.5655, 0.4171, 0.4147

Tritanomaly

28.5808, 0.3712, 0.3529

Monochromacy



Original Color

28.7555, 0.4087, 0.4226

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.0749, 0.3470, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7555, 0.4087, 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(170, 143, 79)` looks like.

```
.text, #text, p{  
    color:rgb(170, 143, 79)  
}
```

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(170, 143, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 143, 79) }
```

Border

The CSS property to change the border of an element to Yxy 28.7555, 0.4087, 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(170, 143, 79) }
```

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

```
.border{ border-color:rgb(170, 143, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 143, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 143, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 143, 79);  
box-shadow:4px 4px 4px 4px rgb(170, 143,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7555, 0.4087, 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(170, 143, 79) }
```

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

```
.background{ background-color: rgb(170,  
143, 79) }
```

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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