

Converting Colors

$Y_{xy}(28.1175, 0.4154, 0.4318)$

Have a look what the booklet for
Yxy(28.1175, 0.4154, 0.4318)
contains.

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Color

Yxy(28.2360, 0.4156, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	A98E47
RGB	169, 142, 71
RGB Percent	66%, 56%, 28%
CMY	0.3372, 0.4432, 0.7216
CMYK	0.00, 0.16, 0.58, 0.34
HSL	43°, 41%, 47%
HSV	43°, 58%, 66%
XYZ	27.1767, 28.2360, 9.9787
YIQ	141.9790, 38.8830, -16.3570

Conversions

Conversions Part 2

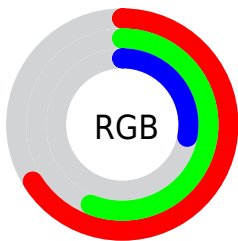
Format	Color
RYB	108, 169, 71
Decimal	11112007
CIELab	60.10, 1.38, 41.04
CIELCh	60, 41.061, 88.079
Yxy	28.2360, 0.4156, 0.4318
Android (android.graphics.Color)	4289302087 (0xFFA98E47)
YUV	141.9790, -34.9926, 23.6974
Hunter-Lab	53.1376, -1.6987, 26.0622

Details

The Yxy color **28.2360, 0.4156, 0.4318** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **12.9464, 0.2129, 0.1950**, and the grayscale version is **27.1726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6041, 0.3957, 0.4118**, and **11.2896, 0.4442, 0.4596** is the 20% darker color. If you saturate the color by 10%, you get **26.6916, 0.4338, 0.4448**, and if you desaturate by 10%, it is **29.9015, 0.3965, 0.4159**.

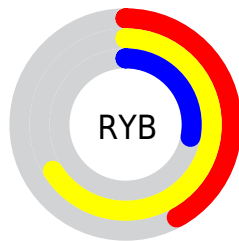
Distribution



Red (66%)

Green (56%)

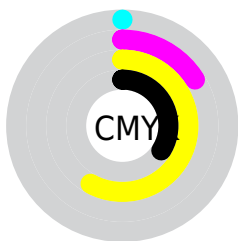
Blue (28%)



Red (42%)

Yellow (66%)

Blue (28%)

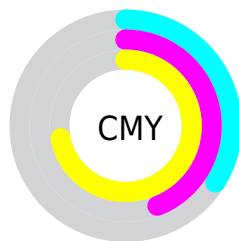


Cyan (0%)

Magenta (16%)

Yellow (58%)

Black (34%)



Cyan (34%)


Magenta (44%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2360, 0.4156, 0.4318 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 28.2360, 0.4156, 0.4318 by changing the saturation by 10% instead.


 28.2360, 0.4156,
0.4318


 28.2360, 0.4156,
0.4318


293.5929, 0.3620,
0.3787


 18.5036, 0.4287,
0.4445


 56.8610, 0.3961,
0.4126

 11.3122, 0.4446,
0.4599


 76.5224, 0.3887,
0.4053

 6.2772, 0.4640,
0.4782


 100.2623, 0.3825,
0.3991

 3.0144, 0.4939,
0.5061

 128.4651, 0.3772,
0.3939

 1.1392, 0.4964,
0.5036

 161.5152, 0.3726,
0.3893

 0.0112, 0.7978,
0.2022

199.7969, 0.3686,

 0.0000, 0.0000,

0.3853

0.0000

243.6947, 0.3651,
0.3818

■ 28.2360, 0.4156,
0.4318

■ 28.2360, 0.4156,
0.4318

■ 26.6916, 0.4338,
0.4448

■ 29.9015, 0.3965,
0.4159

■ 25.2584, 0.4503,
0.4541

■ 31.6892, 0.3774,
0.3983

■ 23.9310, 0.4642,
0.4587

■ 33.6053, 0.3588,
0.3798

■ 22.6986, 0.4755,
0.4590

■ 35.6543, 0.3412,
0.3612

■ 22.4594, 0.4777,
0.4589

■ 37.8402, 0.3248,
0.3430

■ 40.1671, 0.3098,
0.3256

■ 42.6387, 0.2962,
0.3092

■ 45.2584, 0.2840,
0.2940

■ 48.0297, 0.2730,
0.2800

Harmonies

Analogous

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



28.2360, 0.4459, 0.3871



28.2360, 0.4156, 0.4318



28.2360, 0.3592, 0.4535

Triad

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



28.2360, 0.4156, 0.4318



28.2360, 0.2019, 0.3018



28.2360, 0.3209, 0.2493

Complementary

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



28.2360, 0.4156, 0.4318



12.9464, 0.2129, 0.1950

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.



28.2360, 0.2570, 0.2277



28.2360, 0.4156, 0.4318



28.2360, 0.1944, 0.2512

Square

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



28.2360, 0.4156, 0.4318



28.2360, 0.2365, 0.3715



28.2360, 0.2132, 0.2272



28.2360, 0.3893, 0.2876

Rectangle

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



28.2360, 0.4156, 0.4318



28.2360, 0.3154, 0.4449



28.2360, 0.2132, 0.2272



28.2360, 0.2980, 0.2400

Sweetspot

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



28.2373, 0.4156, 0.4318



64.0954, 0.3400, 0.3599



13.8410, 0.4344, 0.2882



13.8134, 0.3432, 0.3634



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.2373, 0.4156, 0.4318



46.9297, 0.4394, 0.4483



35.1165, 0.3721, 0.4751



8.4188, 0.3268, 0.3453



16.8262, 0.4769, 0.4595



0.4883, 0.4542, 0.4776

Inverse Universe

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



12.9464, 0.2129, 0.1950



17.0319, 0.1911, 0.1593



9.6598, 0.2228, 0.1553



7.6248, 0.2986, 0.3122



3.7059, 0.1603, 0.0970



0.1741, 0.1786, 0.1628

Previews

White Background



This preview shows how the Yxy color 28.2360, 0.4156, 0.4318 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 28.2360, 0.4156, 0.4318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

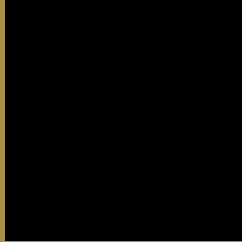
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2360, 0.4156, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 28.2360, 0.4156, 0.4318.



This preview shows how white text looks on a background with the Yxy color 28.2360, 0.4156, 0.4318.

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

28.2360, 0.4156, 0.4318

Protanopia

28.1923, 0.4018, 0.4391

Deuteranopia

28.1098, 0.4286, 0.4210



Tritanopia

28.1778, 0.3487, 0.3145

Trichromacy



Original Color

28.2360, 0.4156, 0.4318

Protanomaly

28.2009, 0.4061, 0.4363

Deuteranomaly

28.0471, 0.4242, 0.4237

Tritanomaly

28.0599, 0.3761, 0.3591

Monochromacy



Original Color

28.2360, 0.4156, 0.4318

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.2824, 0.3507, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2360, 0.4156, 0.4318 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(169, 142, 71)` looks like.

```
.text, #text, p{  
    color:rgb(169, 142, 71)  
}
```

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(169, 142, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 142, 71) }
```

Border

The CSS property to change the border of an element to Yxy 28.2360, 0.4156, 0.4318 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(169, 142, 71) }
```

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

```
.border{ border-color:rgb(169, 142, 71) }
```

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

Here you see how a box with a 4 pixel rgb(169, 142, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 142, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 142, 71);  
box-shadow:4px 4px 4px 4px rgb(169, 142,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2360, 0.4156, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 142, 71) }
```

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

```
.background{ background-color: rgb(169,  
142, 71) }
```

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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