

Converting Colors

$Y_{xy}(27.2981, 0.4063, 0.4130)$

Have a look what the booklet for
Yxy(27.2981, 0.4063, 0.4130)
contains.

Yxy(27.4146, 0.4057, 0.4128)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.4146, 0.4057, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	A88B53
RGB	168, 139, 83
RGB Percent	66%, 55%, 33%
CMY	0.3412, 0.4549, 0.6745
CMYK	0.00, 0.17, 0.51, 0.34
HSL	40°, 34%, 49%
HSV	40°, 51%, 66%
XYZ	26.9431, 27.4146, 12.0537
YIQ	141.2870, 35.2600, -11.2680

Conversions

Conversions Part 2

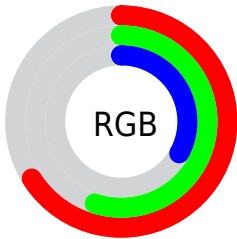
Format	Color
RYB	127, 168, 83
Decimal	11045715
CIELab	59.36, 3.64, 33.89
CIELCh	59, 34.087, 83.867
Yxy	27.4146, 0.4057, 0.4128
Android (android.graphics.Color)	4289235795 (0xFFA88B53)
YUV	141.2870, -28.7355, 23.4273
Hunter-Lab	52.3590, 0.2251, 23.0020

Details

The Yxy color $27.4146, 0.4057, 0.4128$ is a dark color, and the websafe version is hex $CC9966$. A complement of this color would be $16.2538, 0.2282, 0.2257$, and the grayscale version is $26.8599, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.4281, 0.3871, 0.3958$, and $10.8495, 0.4354, 0.4362$ is the 20% darker color. If you saturate the color by 10%, you get $25.5704, 0.4267, 0.4268$, and if you desaturate by 10%, it is $29.4113, 0.3849, 0.3968$.

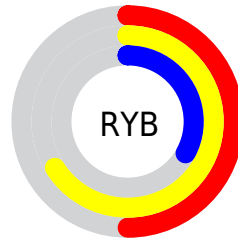
Distribution



Red (66%)

Green (55%)

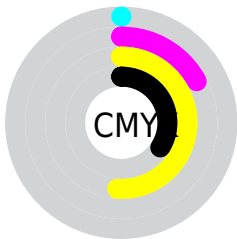
Blue (33%)



Red (50%)

Yellow (66%)

Blue (33%)

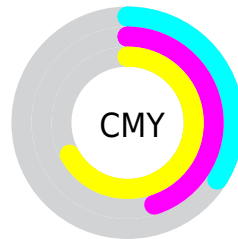


Cyan (0%)

Magenta (17%)

Yellow (51%)

Black (34%)



Cyan (34%)


Magenta (45%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4146, 0.4057, 0.4128 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 27.4146, 0.4057, 0.4128 by changing the saturation by 10% instead.


 27.4146, 0.4057,
0.4128


 27.4146, 0.4057,
0.4128

289.6590, 0.3561,
0.3690


 17.8848, 0.4186,
0.4237


 55.5485, 0.3872,
0.3967

 10.8673, 0.4350,
0.4373


 74.9213, 0.3804,
0.3907


 5.9777, 0.4561,
0.4540

 98.3441, 0.3746,
0.3856

 2.8315, 0.5050,
0.4950

 126.2010, 0.3698,
0.3813

 1.0444, 0.5119,
0.4881

 158.8766, 0.3656,
0.3776

 0.0000, 1.0000,
0.0000

196.7552, 0.3621,

 0.0000, 0.0000,

0.3744

0.0000

240.2212, 0.3589,
0.3715

■ 27.4146, 0.4057,
0.4128

■ 27.4146, 0.4057,
0.4128

■ 25.5704, 0.4267,
0.4268

■ 29.4113, 0.3849,
0.3968

■ 23.8689, 0.4471,
0.4379

■ 31.5621, 0.3649,
0.3799

■ 22.3048, 0.4658,
0.4448

■ 33.8733, 0.3463,
0.3628

■ 20.8705, 0.4818,
0.4470

■ 36.3497, 0.3291,
0.3460

■ 19.6263, 0.4947,
0.4454

■ 38.9958, 0.3136,
0.3299

■ 41.8158, 0.2996,
0.3148

■ 44.8139, 0.2872,
0.3007

■ 47.9940, 0.2761,
0.2877

■ 51.3598, 0.2662,
0.2758

Harmonies

Analogous

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



27.4146, 0.4261, 0.3744



27.4146, 0.4057, 0.4128



27.4146, 0.3608, 0.4324

Triad

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



27.4146, 0.4057, 0.4128



27.4146, 0.2211, 0.3149



27.4146, 0.3119, 0.2571

Complementary

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



27.4146, 0.4057, 0.4128



16.2538, 0.2282, 0.2257

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.



27.4146, 0.2593, 0.2408



27.4146, 0.4057, 0.4128



27.4146, 0.2108, 0.2686

Square

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



27.4146, 0.4057, 0.4128



27.4146, 0.2546, 0.3728



27.4146, 0.2240, 0.2438



27.4146, 0.3696, 0.2888

Rectangle

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



27.4146, 0.4057, 0.4128



27.4146, 0.3241, 0.4277



27.4146, 0.2240, 0.2438



27.4146, 0.2930, 0.2497

Sweetspot

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



27.4159, 0.4057, 0.4128



63.8186, 0.3369, 0.3538



15.6977, 0.4015, 0.2838



13.7132, 0.3404, 0.3572



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.



27.4159, 0.4057, 0.4128



45.9123, 0.4299, 0.4287



35.6254, 0.3721, 0.4551



8.3363, 0.3270, 0.3438



14.9178, 0.4938, 0.4461



0.4522, 0.4638, 0.4699

Inverse Universe

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



16.2538, 0.2282, 0.2257



23.3635, 0.2088, 0.1971



11.4861, 0.2304, 0.1769



7.7034, 0.2986, 0.3137



4.4555, 0.1647, 0.1130



0.2030, 0.1838, 0.1817

Previews

White Background



This preview shows how the Yxy color 27.4146, 0.4057, 0.4128 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 27.4146, 0.4057, 0.4128 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 27.4146, 0.4057, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 27.4146, 0.4057, 0.4128.



This preview shows how white text looks on a background with the Yxy color 27.4146, 0.4057, 0.4128.

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

27.4146, 0.4057, 0.4128

Protanopia

27.4689, 0.3879, 0.4200

Deuteranopia

27.5301, 0.4133, 0.4063



Tritanopia

27.3398, 0.3492, 0.3143

Trichromacy



Original Color

27.4146, 0.4057, 0.4128

Protanomaly

27.5632, 0.3943, 0.4184

Deuteranomaly

27.5877, 0.4101, 0.4085

Tritanomaly

27.3663, 0.3701, 0.3503

Monochromacy



Original Color

27.4146, 0.4057, 0.4128

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6915, 0.3460, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4146, 0.4057, 0.4128 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(168, 139, 83)` looks like.

```
.text, #text, p{  
    color:rgb(168, 139, 83)  
}
```

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(168, 139, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 139, 83) }
```

Border

The CSS property to change the border of an element to Yxy 27.4146, 0.4057, 0.4128 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(168, 139, 83) }
```

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

```
.border{ border-color:rgb(168, 139, 83) }
```

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

Here you see how a box with a 4 pixel rgb(168, 139, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 139, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 139, 83);  
box-shadow:4px 4px 4px 4px rgb(168, 139,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4146, 0.4057, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 139, 83) }
```

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

```
.background{ background-color: rgb(168,  
139, 83) }
```

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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