

Converting Colors

$Y_{xy}(27.3871, 0.4453, 0.4637)$

Have a look what the booklet for
Yxy(27.3871, 0.4453, 0.4637)
contains.

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Color

Yxy(27.4120, 0.4447, 0.4647)

Conversions

Conversions Part 1

Format	Color
Hex	AA8C21
RGB	170, 140, 33
RGB Percent	67%, 55%, 13%
CMY	0.3333, 0.4510, 0.8707
CMYK	0.00, 0.18, 0.81, 0.33
HSL	47°, 68%, 40%
HSV	47°, 81%, 67%
XYZ	26.2322, 27.4120, 5.3444
YIQ	136.7720, 52.2270, -26.9170

Conversions

Conversions Part 2

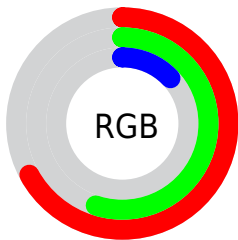
Format	Color
R_{YB}	71, 170, 33
Decimal	11176993
CIE Lab	59.35, 0.74, 56.69
CIE LCh	59, 56.697, 89.254
Yxy	27.4120, 0.4447, 0.4647
Android (android.graphics.Color)	4289367073 (0xFFAA8C21)
YUV	136.7720, -51.1596, 29.1410
Hunter-Lab	52.3565, -2.1897, 30.5974

Details

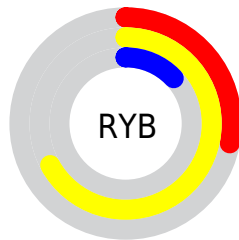
The Yxy color **27.4120, 0.4447, 0.4647** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.7784, 0.1748, 0.1226**, and the grayscale version is **25.1075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4861, 0.4231, 0.4421**, and **10.8897, 0.4601, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **26.2712, 0.4556, 0.4691**, and if you desaturate by 10%, it is **28.6404, 0.4310, 0.4558**.

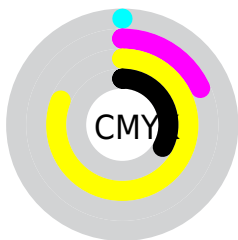
Distribution



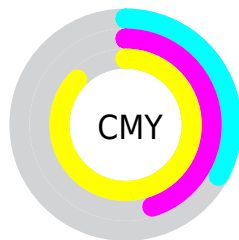
- Red (67%)
- Green (55%)
- Blue (13%)



- Red (28%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (18%)
- Yellow (81%)
- Black (33%)





- Cyan (33%)
- Magenta (45%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4120, 0.4447, 0.4647 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 27.4120, 0.4447, 0.4647 by changing the saturation by 10% instead.


 27.4120, 0.4447,
0.4647


 27.4120, 0.4447,
0.4647


289.6465, 0.3794,
0.3979


 17.8829, 0.4580,
0.4781


 55.5443, 0.4225,
0.4421


 10.8659, 0.4723,
0.4923


 74.9163, 0.4136,
0.4330


 5.9768, 0.4901,
0.5099

 98.3380, 0.4058,
0.4251

 2.8310, 0.4909,
0.5091

 126.1938, 0.3991,
0.4182

 1.0441, 0.4923,
0.5077

 158.8682, 0.3932,
0.4121

 0.0000, 0.0000,
0.0000

 196.7455, 0.3880,

0.4068

240.2101, 0.3834,
0.4021

■ 27.4120, 0.4447,
0.4647

■ 27.4120, 0.4447,
0.4647

■ 26.2712, 0.4556,
0.4691

■ 28.6404, 0.4310,
0.4558

■ 25.2626, 0.4639,
0.4699

■ 29.9592, 0.4152,
0.4428

■ 31.3753, 0.3980,
0.4266

■ 32.8940, 0.3802,
0.4083

■ 34.5198, 0.3624,
0.3887

■ 36.2571, 0.3452,
0.3688

■ 38.1097, 0.3288,
0.3491

■ 40.0813, 0.3136,
0.3301

■ 42.1756, 0.2996,
0.3122

Harmonies

Analogous

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



27.4120, 0.4925, 0.4010



27.4120, 0.4447, 0.4647



27.4120, 0.3663, 0.5035

Triad

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



27.4120, 0.4447, 0.4647



27.4120, 0.1643, 0.2838



27.4120, 0.3257, 0.2253

Complementary

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



27.4120, 0.4447, 0.4647



6.7784, 0.1748, 0.1226

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.



27.4120, 0.2391, 0.1968



27.4120, 0.4447, 0.4647



27.4120, 0.1578, 0.2198

Square

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



27.4120, 0.4447, 0.4647



27.4120, 0.2052, 0.3839



27.4120, 0.1826, 0.1934



27.4120, 0.4222, 0.2742

Rectangle

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



27.4120, 0.4447, 0.4647



27.4120, 0.3076, 0.4952



27.4120, 0.1826, 0.1934



27.4120, 0.2942, 0.2133

Sweetspot

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



27.4133, 0.4447, 0.4647



64.5422, 0.3517, 0.3764



10.0145, 0.5307, 0.2940



14.1503, 0.3577, 0.3834



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.



27.4133, 0.4447, 0.4647



46.0715, 0.4624, 0.4694



33.8895, 0.3755, 0.5215



8.4909, 0.3267, 0.3465



18.6643, 0.4633, 0.4704



0.5215, 0.4463, 0.4839

Inverse Universe

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



6.7784, 0.1748, 0.1226



7.9273, 0.1578, 0.0859



5.2726, 0.1903, 0.0975



7.5571, 0.2986, 0.3108



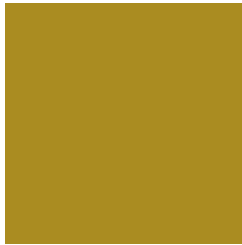
3.1892, 0.1571, 0.0854



0.1489, 0.1736, 0.1450

Previews

White Background



This preview shows how the Yxy color 27.4120, 0.4447, 0.4647 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 27.4120, 0.4447, 0.4647 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 27.4120, 0.4447, 0.4647

Background



This preview shows how black text looks on a background with the Yxy color 27.4120, 0.4447, 0.4647.



This preview shows how white text looks on a background with the Yxy color 27.4120, 0.4447, 0.4647.

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

27.4120, 0.4447, 0.4647

Protanopia

27.3375, 0.4305, 0.4744

Deuteranopia

27.4330, 0.4596, 0.4514



Tritanopia

27.2355, 0.3555, 0.3131

Trichromacy



Original Color

27.4120, 0.4447, 0.4647

Protanomaly

27.3540, 0.4351, 0.4709

Deuteranomaly

27.2369, 0.4545, 0.4561

Tritanomaly

27.0082, 0.3959, 0.3768

Monochromacy



Original Color

27.4120, 0.4447, 0.4647

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.4674, 0.3670, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4120, 0.4447, 0.4647 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, 140, 33)` looks like.

```
.text, #text, p{  
    color:rgb(170, 140, 33)  
}
```

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, 140, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 140, 33) }
```

Border

The CSS property to change the border of an element to Yxy 27.4120, 0.4447, 0.4647 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, 140, 33) }
```

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

```
.border{ border-color:rgb(170, 140, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 140, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 140, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 140, 33);  
box-shadow:4px 4px 4px 4px rgb(170, 140,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4120, 0.4447, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 140, 33) }
```

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

```
.background{ background-color: rgb(170,  
140, 33) }
```

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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