

Converting Colors

$Y_{xy}(27.0078, 0.4776, 0.4438)$

Have a look what the booklet for
Yxy(27.0078, 0.4776, 0.4438)
contains.

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Color

$\text{Yxy}(27.0078, 0.4776, 0.4438)$

Conversions

Conversions Part 1

Format	Color
Hex	BC831C
RGB	188, 131, 28
RGB Percent	74%, 51%, 11%
CMY	0.2628, 0.4863, 0.8900
CMYK	0.00, 0.30, 0.85, 0.26
HSL	39°, 74%, 42%
HSV	39°, 85%, 74%
XYZ	29.0647, 27.0078, 4.7833
YIQ	136.3010, 67.0350, -19.9490

Conversions

Conversions Part 2

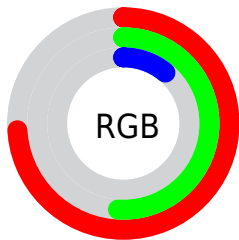
Format	Color
RYB	117, 188, 28
Decimal	12354332
CIELab	58.98, 13.66, 58.71
CIElCh	59, 60.277, 76.901
Yxy	27.0078, 0.4776, 0.4438
Android (android.graphics.Color)	4290544412 (0xFFBC831C)
YUV	136.3010, -53.3924, 45.3400
Hunter-Lab	51.9690, 8.8839, 30.9212

Details

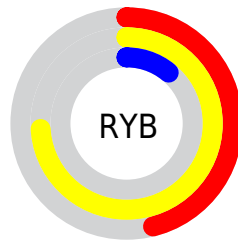
The Yxy color **27.0078, 0.4776, 0.4438** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.3831, 0.1777, 0.1440**, and the grayscale version is **24.9280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0452, 0.4493, 0.4281**, and **10.7804, 0.5001, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **25.2035, 0.4928, 0.4430**, and if you desaturate by 10%, it is **28.9873, 0.4593, 0.4395**.

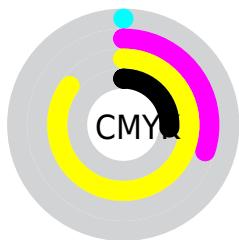
Distribution



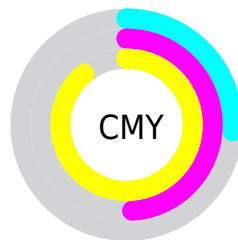
- Red (74%)
- Green (51%)
- Blue (11%)



- Red (46%)
- Yellow (74%)
- Blue (11%)



- Cyan (0%)
- Magenta (30%)
- Yellow (85%)
- Black (26%)





- Cyan (26%)
- Magenta (49%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0078, 0.4776, 0.4438 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 27.0078, 0.4776, 0.4438 by changing the saturation by 10% instead.


 27.0078, 0.4776,
0.4438


 27.0078, 0.4776,
0.4438


287.6949, 0.3945,
0.3921


 17.5791, 0.4953,
0.4517


 54.8964, 0.4489,
0.4280

 10.6482, 0.5157,
0.4587


 74.1250, 0.4375,
0.4211

 5.8308, 0.5383,
0.4617

 97.3891, 0.4277,
0.4148

 2.7425, 0.5522,
0.4478

 125.0730, 0.4193,
0.4092

 0.9988, 0.5763,
0.4237

 157.5612, 0.4119,
0.4042

 0.0000, 1.0000,
0.0000

 195.2379, 0.4054,

 0.0000, 0.0000,

0.3997

0.0000

238.4877, 0.3996,
0.3957

27.0078, 0.4776,
0.4438

27.0078, 0.4776,
0.4438

25.2035, 0.4928,
0.4430

28.9873, 0.4593,
0.4395

24.3674, 0.4996,
0.4415

31.1492, 0.4389,
0.4306

33.5043, 0.4173,
0.4181

36.0612, 0.3957,
0.4032

38.8276, 0.3747,
0.3868

■ 41.8106, 0.3550,
0.3699

■ 45.0169, 0.3369,
0.3531

■ 48.4528, 0.3204,
0.3369

■ 52.1242, 0.3056,
0.3216

Harmonies

Analogous

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



27.0078, 0.5093, 0.3739



27.0078, 0.4776, 0.4438



27.0078, 0.4042, 0.5027

Triad

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



27.0078, 0.4776, 0.4438



27.0078, 0.1688, 0.3204



27.0078, 0.2851, 0.2045

Complementary

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



27.0078, 0.4776, 0.4438



10.3831, 0.1777, 0.1440

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.



27.0078, 0.2060, 0.1850



27.0078, 0.4776, 0.4438



27.0078, 0.1484, 0.2351

Square

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



27.0078, 0.4776, 0.4438



27.0078, 0.2265, 0.4348



27.0078, 0.1611, 0.1929



27.0078, 0.3882, 0.2475

Rectangle

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



27.0078, 0.4776, 0.4438



27.0078, 0.3441, 0.5170



27.0078, 0.1611, 0.1929



27.0078, 0.2550, 0.1952

Sweetspot

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



27.0092, 0.4776, 0.4438



75.0256, 0.3576, 0.3721



12.2074, 0.5061, 0.2702



15.7257, 0.3643, 0.3780



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



27.0092, 0.4776, 0.4438



43.6842, 0.5012, 0.4402



44.2282, 0.3954, 0.5135



10.5329, 0.3273, 0.3437



16.7358, 0.4984, 0.4425



0.7748, 0.4749, 0.4611

Inverse Universe

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



10.3831, 0.1777, 0.1440



13.4338, 0.1642, 0.1109



5.1266, 0.1687, 0.0802



9.7668, 0.2984, 0.3138



5.3330, 0.1656, 0.1160



0.3340, 0.1795, 0.1662

Previews

White Background



This preview shows how the Yxy color 27.0078, 0.4776, 0.4438 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 27.0078, 0.4776, 0.4438 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 27.0078, 0.4776, 0.4438

Background



This preview shows how black text looks on a background with the Yxy color 27.0078, 0.4776, 0.4438.



This preview shows how white text looks on a background with the Yxy color 27.0078, 0.4776, 0.4438.

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

27.0078, 0.4776, 0.4438

Protanopia

27.2174, 0.4307, 0.4772

Deuteranopia

27.1058, 0.4649, 0.4553



Tritanopia

27.0271, 0.3906, 0.3170

Trichromacy



Original Color

27.0078, 0.4776, 0.4438

Protanomaly

27.1050, 0.4472, 0.4654

Deuteranomaly

27.1966, 0.4689, 0.4514

Tritanomaly

26.6819, 0.4326, 0.3712

Monochromacy



Original Color

27.0078, 0.4776, 0.4438

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.8818, 0.3786, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0078, 0.4776, 0.4438 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(188, 131, 28)` looks like.

```
.text, #text, p{  
    color:rgb(188, 131, 28)  
}
```

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(188, 131, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 131, 28) }
```

Border

The CSS property to change the border of an element to Yxy 27.0078, 0.4776, 0.4438 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(188, 131, 28) }
```

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

```
.border{ border-color:rgb(188, 131, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 131, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 131, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 131, 28);  
box-shadow:4px 4px 4px 4px rgb(188, 131,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0078, 0.4776, 0.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 131, 28) }
```

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

```
.background{ background-color: rgb(188,  
131, 28) }
```

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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