

Converting Colors

$Y_{xy}(27.8844, 0.4610, 0.4215)$

Have a look what the booklet for
Yxy(27.8844, 0.4610, 0.4215)
contains.

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Color

Yxy(27.8844, 0.4610, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	BF843A
RGB	191, 132, 58
RGB Percent	75%, 52%, 23%
CMY	0.2510, 0.4823, 0.7727
CMYK	0.00, 0.31, 0.70, 0.25
HSL	33°, 53%, 49%
HSV	33°, 70%, 75%
XYZ	30.4975, 27.8844, 7.7732
YIQ	141.2050, 58.9180, -10.5060

Conversions

Conversions Part 2

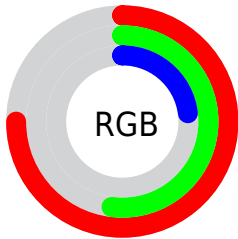
Format	Color
R_{YB}	164, 191, 58
Decimal	12551226
CIE _{Lab}	59.78, 15.65, 47.69
CIE _{LCh}	60, 50.196, 71.836
Y _{xy}	27.8844, 0.4610, 0.4215
Android (android.graphics.Color)	4290741306 (0xFFBF843A)
YUV	141.2050, -41.0201, 43.6702
Hunter-Lab	52.8057, 10.6814, 28.2362

Details

The Yxy color **27.8844, 0.4610, 0.4215** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **17.3681, 0.2021, 0.2006**, and the grayscale version is **26.8671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3113, 0.4328, 0.4069**, and **11.1796, 0.5006, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **25.5219, 0.4847, 0.4266**, and if you desaturate by 10%, it is **30.5082, 0.4361, 0.4123**.

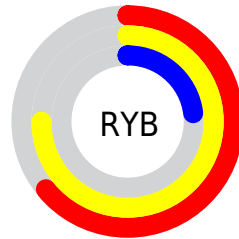
Distribution



Red (75%)

Green (52%)

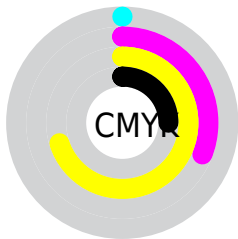
Blue (23%)



Red (64%)

Yellow (75%)

Blue (23%)

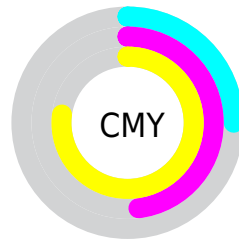


Cyan (0%)

Magenta (31%)

Yellow (70%)

Black (25%)



Cyan (25%)

Magenta (48%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8844, 0.4610, 0.4215 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 27.8844, 0.4610, 0.4215 by changing the saturation by 10% instead.


 27.8844, 0.4610,
0.4215


 27.8844, 0.4610,
0.4215


291.9141, 0.3836,
0.3782


 18.2385, 0.4796,
0.4295


 56.2998, 0.4330,
0.4074

 11.1214, 0.5019,
0.4371


 75.8382, 0.4223,
0.4016


 6.1485, 0.5343,
0.4471


 99.4428, 0.4133,
0.3964

 2.9356, 0.5595,
0.4405

 127.4981, 0.4056,
0.3918

 1.0982, 0.5853,
0.4147

 160.3885, 0.3990,
0.3878

 0.0000, 1.0000,
0.0000

 198.4984, 0.3932,

 0.0000, 0.0000,

0.3843

0.0000

242.2121, 0.3881,
0.3811

■ 27.8844, 0.4610,
0.4215

■ 27.8844, 0.4610,
0.4215

■ 25.5219, 0.4847,
0.4266

■ 30.5082, 0.4361,
0.4123

■ 23.4037, 0.5058,
0.4266

■ 33.4004, 0.4113,
0.4001

■ 21.5106, 0.5238,
0.4220

■ 36.5729, 0.3877,
0.3861

■ 21.4474, 0.5245,
0.4218

■ 40.0354, 0.3657,
0.3714

■ 43.7968, 0.3458,
0.3566

■ 47.8658, 0.3280,
0.3422

■ 52.2504, 0.3122,
0.3285

■ 56.9585, 0.2983,
0.3158

■ 61.9975, 0.2861,
0.3039

Harmonies

Analogous

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



27.8844, 0.4761, 0.3618



27.8844, 0.4610, 0.4215



27.8844, 0.4057, 0.4699

Triad

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



27.8844, 0.4610, 0.4215



27.8844, 0.1976, 0.3390



27.8844, 0.2775, 0.2178

Complementary

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



27.8844, 0.4610, 0.4215



17.3681, 0.2021, 0.2006

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.



27.8844, 0.2138, 0.2049



27.8844, 0.4610, 0.4215



27.8844, 0.1728, 0.2619

Square

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



27.8844, 0.4610, 0.4215



27.8844, 0.2536, 0.4283



27.8844, 0.1787, 0.2179



27.8844, 0.3613, 0.2526

Rectangle

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



27.8844, 0.4610, 0.4215



27.8844, 0.3562, 0.4830



27.8844, 0.1787, 0.2179



27.8844, 0.2533, 0.2109

Sweetspot

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



27.8858, 0.4610, 0.4215



77.2806, 0.3490, 0.3591



15.4012, 0.4352, 0.2553



16.5502, 0.3545, 0.3632



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



27.8858, 0.4610, 0.4215



43.5093, 0.4971, 0.4273



47.7921, 0.3996, 0.4868



10.3933, 0.3275, 0.3418



14.2600, 0.5226, 0.4232



0.6871, 0.4916, 0.4479

Inverse Universe

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



17.3681, 0.2021, 0.2006



23.5984, 0.1838, 0.1674



7.8947, 0.1839, 0.1111



9.9028, 0.2984, 0.3159



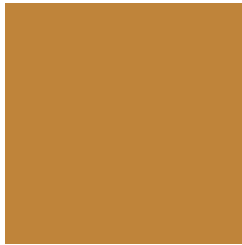
6.8639, 0.1726, 0.1415



0.3994, 0.1857, 0.1886

Previews

White Background



This preview shows how the Yxy color 27.8844, 0.4610, 0.4215 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 27.8844, 0.4610, 0.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

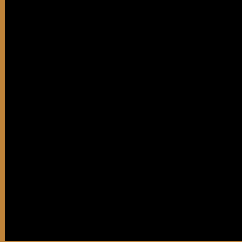
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8844, 0.4610, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 27.8844, 0.4610, 0.4215.



This preview shows how white text looks on a background with the Yxy color 27.8844, 0.4610, 0.4215.

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

27.8844, 0.4610, 0.4215

Protanopia

28.1757, 0.4110, 0.4507

Deuteranopia

27.8801, 0.4451, 0.4357



Tritanopia

27.8445, 0.3895, 0.3171

Trichromacy



Original Color

27.8844, 0.4610, 0.4215

Protanomaly

27.8637, 0.4292, 0.4391

Deuteranomaly

27.8137, 0.4509, 0.4300

Tritanomaly

27.6887, 0.4191, 0.3577

Monochromacy



Original Color

27.8844, 0.4610, 0.4215

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6956, 0.3659, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8844, 0.4610, 0.4215 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(191, 132, 58)` looks like.

```
.text, #text, p{  
    color:rgb(191, 132, 58)  
}
```

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(191, 132, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 132, 58) }
```

Border

The CSS property to change the border of an element to Yxy 27.8844, 0.4610, 0.4215 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(191, 132, 58) }
```

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

```
.border{ border-color:rgb(191, 132, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 132, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 132, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 132, 58);  
box-shadow:4px 4px 4px 4px rgb(191, 132,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8844, 0.4610, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 132, 58) }
```

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

```
.background{ background-color: rgb(191,  
132, 58) }
```

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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