

Converting Colors

$Y_{xy}(27.2810, 0.4734, 0.4549)$

Have a look what the booklet for
Yxy(27.2810, 0.4734, 0.4549)
contains.

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Color

Yxy(27.2810, 0.4734, 0.4549)

Conversions

Conversions Part 1

Format	Color
Hex	B88611
RGB	184, 134, 17
RGB Percent	72%, 53%, 7%
CMY	0.2785, 0.4745, 0.9333
CMYK	0.00, 0.27, 0.91, 0.28
HSL	42°, 83%, 39%
HSV	42°, 91%, 72%
XYZ	28.3905, 27.2810, 4.3000
YIQ	135.6120, 67.3570, -25.7870

Conversions

Conversions Part 2

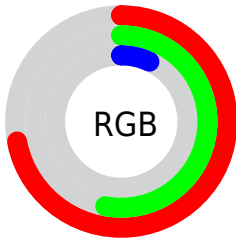
Format	Color
R_{YB}	88, 184, 17
Decimal	12092945
CIE _{Lab}	59.23, 9.95, 61.61
CIE _{LCh}	59, 62.403, 80.826
Yxy	27.2810, 0.4734, 0.4549
Android (android.graphics.Color)	4290283025 (0xFFB88611)
YUV	135.6120, -58.4757, 42.4363
Hunter-Lab	52.2312, 5.6197, 31.6808

Details

The Yxy color **27.2810, 0.4734, 0.4549** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.5914, 0.1683, 0.1173**, and the grayscale version is **24.6728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3096, 0.4462, 0.4374**, and **10.9326, 0.4884, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **25.8680, 0.4842, 0.4538**, and if you desaturate by 10%, it is **28.9278, 0.4593, 0.4522**.

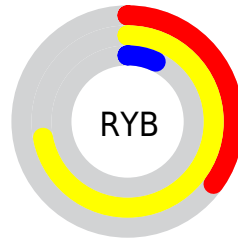
Distribution



Red (72%)

Green (53%)

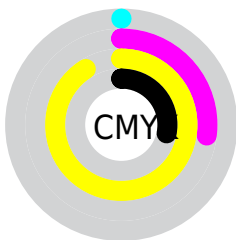
Blue (7%)



Red (35%)

Yellow (72%)

Blue (7%)

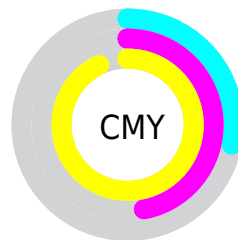


Cyan (0%)

Magenta (27%)

Yellow (91%)

Black (28%)



Cyan (28%)


Magenta (47%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2810, 0.4734, 0.4549 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 27.2810, 0.4734, 0.4549 by changing the saturation by 10% instead.


 27.2810, 0.4734,
0.4549


 27.2810, 0.4734,
0.4549


289.0151, 0.3940,
0.3976


 17.7844, 0.4894,
0.4639


 55.3345, 0.4466,
0.4373


 10.7953, 0.5084,
0.4731


 74.6601, 0.4357,
0.4295


 5.9294, 0.5246,
0.4754

 98.0308, 0.4263,
0.4226

 2.8022, 0.5348,
0.4652

 125.8311, 0.4181,
0.4164

 1.0293, 0.5528,
0.4472

 158.4452, 0.4109,
0.4109

 0.0000, 1.0000,
0.0000


 196.2577, 0.4046,


 0.0000, 0.0000,


0.4060

0.0000


 239.6529, 0.3990,
0.4016

 27.2810, 0.4734,
0.4549


 27.2810, 0.4734,
0.4549

 25.8680, 0.4842,
0.4538

 28.9278, 0.4593,
0.4522

 30.7111, 0.4425,
0.4448

 32.6413, 0.4237,
0.4332

 34.7261, 0.4040,
0.4184

 36.9724, 0.3841,
0.4015

■ 39.3865, 0.3647,
0.3836

■ 41.9742, 0.3464,
0.3654

■ 44.7410, 0.3294,
0.3474

■ 47.6920, 0.3138,
0.3303

Harmonies

Analogous

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



27.2810, 0.5139, 0.3832



27.2810, 0.4734, 0.4549



27.2810, 0.3941, 0.5128

Triad

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



27.2810, 0.4734, 0.4549



27.2810, 0.1602, 0.3055



27.2810, 0.2970, 0.2059

Complementary

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



27.2810, 0.4734, 0.4549



7.5914, 0.1683, 0.1173

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.



27.2810, 0.2117, 0.1826



27.2810, 0.4734, 0.4549



27.2810, 0.1444, 0.2241

Square

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



27.2810, 0.4734, 0.4549



27.2810, 0.2139, 0.4233



27.2810, 0.1615, 0.1866



27.2810, 0.4044, 0.2525

Rectangle

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



27.2810, 0.4734, 0.4549



27.2810, 0.3316, 0.5222



27.2810, 0.1615, 0.1866



27.2810, 0.2649, 0.1953

Sweetspot

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



27.2824, 0.4734, 0.4549



72.9277, 0.3585, 0.3776



10.9960, 0.5475, 0.2870



15.3877, 0.3649, 0.3837



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



27.2824, 0.4734, 0.4549



46.4647, 0.4855, 0.4527



40.8542, 0.3855, 0.5264



10.0372, 0.3271, 0.3450



17.9599, 0.4832, 0.4545



0.7358, 0.4631, 0.4705

Inverse Universe

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



7.5914, 0.1683, 0.1173



10.8741, 0.1603, 0.0969



4.5497, 0.1686, 0.0753



9.1460, 0.2985, 0.3125



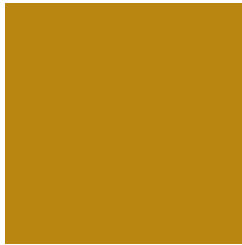
4.3825, 0.1616, 0.1017



0.2663, 0.1767, 0.1562

Previews

White Background



This preview shows how the Yxy color 27.2810, 0.4734, 0.4549 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 27.2810, 0.4734, 0.4549 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 27.2810, 0.4734, 0.4549

Background



This preview shows how black text looks on a background with the Yxy color 27.2810, 0.4734, 0.4549.



This preview shows how white text looks on a background with the Yxy color 27.2810, 0.4734, 0.4549.

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

27.2810, 0.4734, 0.4549

Protanopia

27.2725, 0.4359, 0.4823

Deuteranopia

27.4666, 0.4682, 0.4601



Tritanopia

27.3356, 0.3809, 0.3167

Trichromacy



Original Color

27.2810, 0.4734, 0.4549

Protanomaly

27.2382, 0.4489, 0.4728

Deuteranomaly

27.3104, 0.4703, 0.4579

Tritanomaly

26.8850, 0.4291, 0.3802

Monochromacy



Original Color

27.2810, 0.4734, 0.4549

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.8906, 0.3800, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2810, 0.4734, 0.4549 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(184, 134, 17)` looks like.

```
.text, #text, p{  
    color:rgb(184, 134, 17)  
}
```

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(184, 134, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 134, 17) }
```

Border

The CSS property to change the border of an element to Yxy 27.2810, 0.4734, 0.4549 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(184, 134, 17) }
```

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

```
.border{ border-color:rgb(184, 134, 17) }
```

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

Here you see how a box with a 4 pixel rgb(184, 134, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 134, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 134, 17);  
box-shadow:4px 4px 4px 4px rgb(184, 134,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2810, 0.4734, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 134, 17) }
```

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

```
.background{ background-color: rgb(184,  
134, 17) }
```

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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