

Converting Colors

$Y_{xy}(27.2810, 0.4520, 0.5027)$

Have a look what the booklet for
Yxy(27.2810, 0.4520, 0.5027)
contains.

Yxy(27.3263, 0.4413, 0.4878)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.3263, 0.4413, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	A28F00
RGB	162, 143, 0
RGB Percent	64%, 56%, 0%
CMY	0.3647, 0.4392, 0.9999
CMYK	0.00, 0.12, 1.00, 0.36
HSL	53°, 100%, 32%
HSV	53°, 100%, 64%
XYZ	24.7214, 27.3263, 3.9718
YIQ	132.3790, 57.2270, -40.4450

Conversions

Conversions Part 2

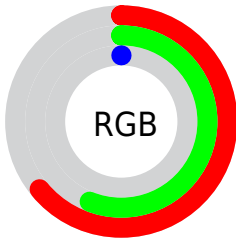
Format	Color
R_{YB}	22, 162, 0
Decimal	10653440
CIE Lab	59.28, -5.30, 63.46
CIE LCh	59, 63.676, 94.772
Yxy	27.3263, 0.4413, 0.4878
Android (android.graphics.Color)	4288843520 (0xFFA28F00)
YUV	132.3790, -65.2628, 25.9776
Hunter-Lab	52.2746, -7.0653, 32.0874

Details

The Yxy color **27.3263, 0.4413, 0.4878** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0742, 0.1527, 0.0695**, and the grayscale version is **23.4450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3069, 0.4226, 0.4610**, and **10.8929, 0.4414, 0.4877** is the 20% darker color. If you saturate the color by 10%, you get **27.3269, 0.4413, 0.4878**, and if you desaturate by 10%, it is **27.9405, 0.4357, 0.4850**.

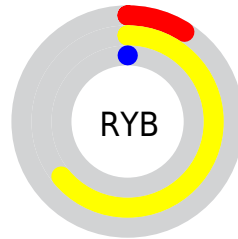
Distribution



Red (64%)

Green (56%)

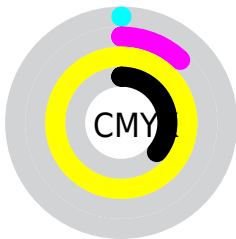
Blue (0%)



Red (9%)

Yellow (64%)

Blue (0%)

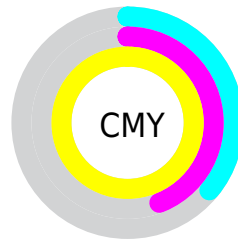


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3263, 0.4413, 0.4878 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 27.3263, 0.4413, 0.4878 by changing the saturation by 10% instead.


 27.3263, 0.4413,
0.4878

 27.3263, 0.4413,
0.4878


289.2336, 0.3808,
0.4097


 17.8184, 0.4516,
0.5030


 55.4070, 0.4221,
0.4617


 10.8197, 0.4637,
0.5219


 74.7487, 0.4139,
0.4510


 5.9457, 0.4667,
0.5333

 98.1371, 0.4066,
0.4417

 2.8121, 0.4608,
0.5392

 125.9566, 0.4001,
0.4336

 1.0344, 0.4501,
0.5499


 158.5916, 0.3944,
0.4265

 0.0000, 0.0000,
0.0000


 196.4265, 0.3893,


0.4202

 239.8457, 0.3848,
0.4146


 27.3263, 0.4413,
0.4878


 27.3263, 0.4413,
0.4878

 27.3269, 0.4413,
0.4878

 27.9405, 0.4357,
0.4850

 28.5936, 0.4281,
0.4787

 29.2999, 0.4177,
0.4682

 30.0651, 0.4051,
0.4536

 30.8938, 0.3907,
0.4359

■ 31.7904, 0.3752,
0.4158

■ 32.7587, 0.3591,
0.3942

■ 33.8021, 0.3431,
0.3722

■ 34.9240, 0.3275,
0.3502

Harmonies

Analogous

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



27.3263, 0.5046, 0.4172



27.3263, 0.4413, 0.4878



27.3263, 0.3509, 0.5270

Triad

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



27.3263, 0.4413, 0.4878



27.3263, 0.1459, 0.2602



27.3263, 0.3467, 0.2234

Complementary

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



27.3263, 0.4413, 0.4878



3.0742, 0.1527, 0.0695

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.



27.3263, 0.2459, 0.1882



27.3263, 0.4413, 0.4878



27.3263, 0.1460, 0.1997

Square

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



27.3263, 0.4413, 0.4878



27.3263, 0.1817, 0.3673



27.3263, 0.1784, 0.1788



27.3263, 0.4531, 0.2789

Rectangle

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



27.3263, 0.4413, 0.4878



27.3263, 0.2865, 0.5092



27.3263, 0.1784, 0.1788



27.3263, 0.3103, 0.2090

Sweetspot

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



27.3276, 0.4413, 0.4878



59.3731, 0.3601, 0.3955



7.7372, 0.6210, 0.3195



13.1734, 0.3665, 0.4043



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.3276, 0.4413, 0.4878



49.4201, 0.4418, 0.4874



28.6973, 0.3570, 0.5547



8.0949, 0.3264, 0.3487



21.5723, 0.4411, 0.4880



0.4906, 0.4322, 0.4950

Inverse Universe

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



3.0742, 0.1527, 0.0695



5.4228, 0.1522, 0.0677



3.5511, 0.1802, 0.0767



6.9875, 0.2987, 0.3085



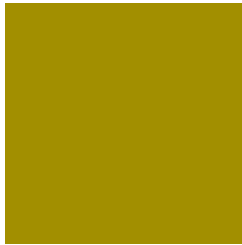
2.4571, 0.1529, 0.0704



0.0886, 0.1643, 0.1114

Previews

White Background



This preview shows how the Yxy color 27.3263, 0.4413, 0.4878 looks on a white background.

Color Contrast Check

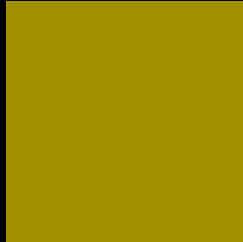
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3263, 0.4413, 0.4878 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 27.3263, 0.4413, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 27.3263, 0.4413, 0.4878.



This preview shows how white text looks on a background with the Yxy color 27.3263, 0.4413, 0.4878.

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

27.3263, 0.4413, 0.4878

Protanopia

27.2264, 0.4398, 0.4881

Deuteranopia

27.1954, 0.4687, 0.4580



Tritanopia

27.3043, 0.3443, 0.3142

Trichromacy



Original Color

27.3263, 0.4413, 0.4878

Protanomaly

27.2242, 0.4400, 0.4884

Deuteranomaly

27.1998, 0.4589, 0.4692

Tritanomaly

26.8621, 0.3978, 0.3991

Monochromacy



Original Color

27.3263, 0.4413, 0.4878

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.0881, 0.3766, 0.4174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3263, 0.4413, 0.4878 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(162, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 143, 0)  
}
```

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(162, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.3263, 0.4413, 0.4878 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(162, 143, 0) }
```

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

```
.border{ border-color:rgb(162, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 143,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3263, 0.4413, 0.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 143, 0) }
```

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

```
.background{ background-color: rgb(162,  
143, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor