

Converting Colors

$Y_{xy}(28.4300, 0.4423, 0.5021)$

Have a look what the booklet for
Yxy(28.4300, 0.4423, 0.5021)
contains.

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Color

Yxy(28.5488, 0.4364, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	A29300
RGB	162, 147, 0
RGB Percent	64%, 58%, 0%
CMY	0.3646, 0.4235, 1.0000
CMYK	0.00, 0.09, 1.00, 0.36
HSL	54°, 100%, 32%
HSV	54°, 100%, 64%
XYZ	25.3380, 28.5488, 4.1746
YIQ	134.7270, 56.1270, -42.5370

Conversions

Conversions Part 2

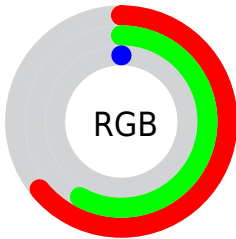
Format	Color
R _Y B	17, 162, 0
Decimal	10654464
CIE Lab	60.38, -7.43, 64.25
CIE LCh	60, 64.681, 96.599
Yxy	28.5488, 0.4364, 0.4917
Android (android.graphics.Color)	4288844544 (0xFFA29300)
YUV	134.7270, -66.4204, 23.9184
Hunter-Lab	53.4311, -8.8564, 32.7694

Details

The Yxy color **28.5488, 0.4364, 0.4917** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.9521, 0.1520, 0.0670**, and the grayscale version is **24.3591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6133, 0.4183, 0.4646**, and **11.6136, 0.4342, 0.4935** is the 20% darker color. If you saturate the color by 10%, you get **28.5502, 0.4364, 0.4917**, and if you desaturate by 10%, it is **29.0587, 0.4315, 0.4885**.

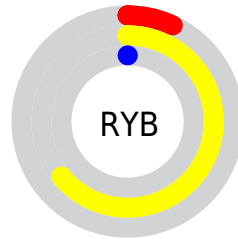
Distribution



Red (64%)

Green (58%)

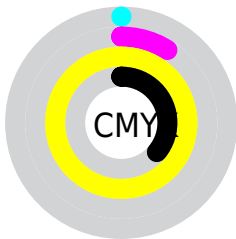
Blue (0%)



Red (7%)

Yellow (64%)

Blue (0%)

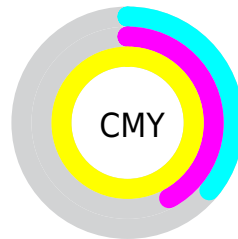


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5488, 0.4364, 0.4917 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 28.5488, 0.4364, 0.4917 by changing the saturation by 10% instead.


 28.5488, 0.4364,
0.4917

 28.5488, 0.4364,
0.4917


295.0801, 0.3791,
0.4115


 18.7398, 0.4458,
0.5076


 57.3594, 0.4185,
0.4648

 11.4824, 0.4561,
0.5267


 77.1298, 0.4107,
0.4538

 6.3923, 0.4590,
0.5410


 100.9895, 0.4038,
0.4443

 3.0850, 0.4510,
0.5490

 129.3227, 0.3976,
0.4360

 1.1763, 0.4369,
0.5631

 162.5140, 0.3922,
0.4287

 0.0422, 0.0000,
1.0000

 200.9478, 0.3873,


 0.0000, 0.0000,


0.4223

0.0000

 245.0083, 0.3830,
0.4166


 28.5488, 0.4364,
0.4917


 28.5488, 0.4364,
0.4917


 28.5502, 0.4364,
0.4917

 29.0587, 0.4315,
0.4885

 29.6039, 0.4246,
0.4820

 30.1986, 0.4151,
0.4712

 30.8486, 0.4031,
0.4564

 31.5586, 0.3894,
0.4384

■ 32.3329, 0.3743,
0.4179

■ 33.1751, 0.3587,
0.3959

■ 34.0889, 0.3429,
0.3733

■ 35.0774, 0.3275,
0.3508

Harmonies

Analogous

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



28.5488, 0.5022, 0.4217



28.5488, 0.4364, 0.4917



28.5488, 0.3450, 0.5274

Triad

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



28.5488, 0.4364, 0.4917



28.5488, 0.1449, 0.2551



28.5488, 0.3535, 0.2262

Complementary

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



28.5488, 0.4364, 0.4917



2.9521, 0.1520, 0.0670

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.



28.5488, 0.2511, 0.1895



28.5488, 0.4364, 0.4917



28.5488, 0.1469, 0.1973

Square

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



28.5488, 0.4364, 0.4917



28.5488, 0.1783, 0.3598



28.5488, 0.1814, 0.1785



28.5488, 0.4587, 0.2827

Rectangle

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



28.5488, 0.4364, 0.4917



28.5488, 0.2807, 0.5055



28.5488, 0.1814, 0.1785



28.5488, 0.3168, 0.2114

Sweetspot

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



28.5502, 0.4364, 0.4917



60.1151, 0.3596, 0.3972



7.7222, 0.6271, 0.3228



13.3609, 0.3659, 0.4061



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.



28.5502, 0.4364, 0.4917



51.6512, 0.4367, 0.4914



28.4032, 0.3518, 0.5589



8.1244, 0.3264, 0.3492



22.5178, 0.4362, 0.4918



0.5035, 0.4294, 0.4972

Inverse Universe

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



2.9521, 0.1520, 0.0670



5.2233, 0.1515, 0.0655



3.7269, 0.1854, 0.0795



6.9607, 0.2987, 0.3080



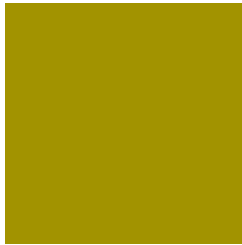
2.3555, 0.1522, 0.0678



0.0791, 0.1615, 0.1015

Previews

White Background



This preview shows how the Yxy color 28.5488, 0.4364, 0.4917 looks on a white background.

Color Contrast Check

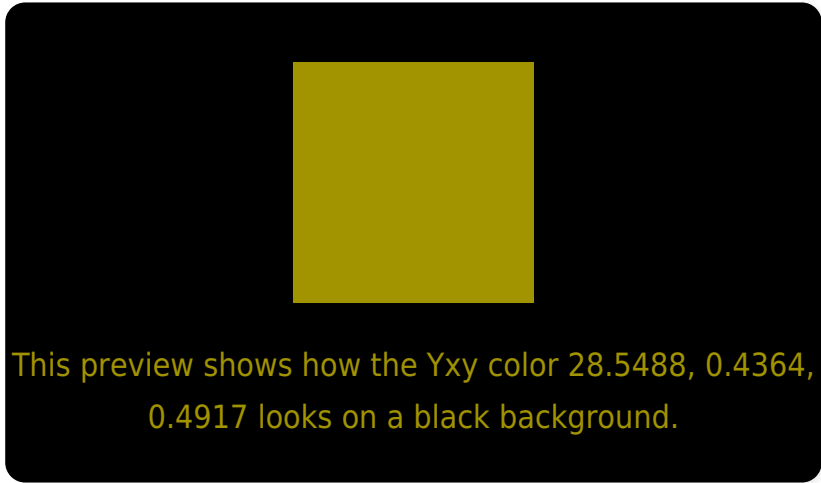
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 28.5488, 0.4364, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 28.5488, 0.4364, 0.4917.



This preview shows how white text looks on a background with the Yxy color 28.5488, 0.4364, 0.4917.

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

28.5488, 0.4364, 0.4917

Protanopia

28.4503, 0.4398, 0.4890

Deuteranopia

28.4143, 0.4676, 0.4586



Tritanopia

28.6558, 0.3401, 0.3143

Trichromacy



Original Color

28.5488, 0.4364, 0.4917

Protanomaly

28.3443, 0.4387, 0.4899

Deuteranomaly

28.3064, 0.4570, 0.4705

Tritanomaly

28.1827, 0.3931, 0.4001

Monochromacy



Original Color

28.5488, 0.4364, 0.4917

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1569, 0.3751, 0.4178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5488, 0.4364, 0.4917 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, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 147, 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, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 147, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.5488, 0.4364, 0.4917 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, 147, 0) }
```

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

```
.border{ border-color:rgb(162, 147, 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, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 147,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5488, 0.4364, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 147, 0) }
```

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

```
.background{ background-color: rgb(162,  
147, 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](#).

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