

Converting Colors

$Y_{xy}(28.5044, 0.4260, 0.4709)$

Have a look what the booklet for
Yxy(28.5044, 0.4260, 0.4709)
contains.

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Color

$Y_{xy}(28.5044, 0.4260, 0.4709)$

Conversions

Conversions Part 1

Format	Color
Hex	A39229
RGB	163, 146, 41
RGB Percent	64%, 57%, 16%
CMY	0.3607, 0.4275, 0.8392
CMYK	0.00, 0.10, 0.75, 0.36
HSL	52°, 60%, 40%
HSV	52°, 75%, 64%
XYZ	25.7865, 28.5044, 6.2408
YIQ	139.1130, 43.8370, -29.0510

Conversions

Conversions Part 2

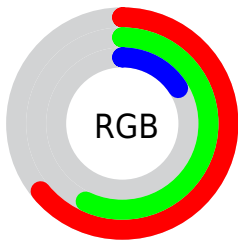
Format	Color
R_{YB}	61, 163, 41
Decimal	10719785
CIE _{Lab}	60.34, -5.37, 54.51
CIE _{LCh}	60, 54.776, 95.631
Yxy	28.5044, 0.4260, 0.4709
Android (android.graphics.Color)	4288909865 (0xFFA39229)
YUV	139.1130, -48.3697, 20.9489
Hunter-Lab	53.3895, -7.2182, 30.4421

Details

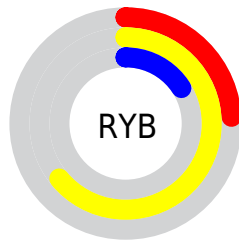
The Yxy color **28.5044, 0.4260, 0.4709** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.1456, 0.1788, 0.1216**, and the grayscale version is **26.0436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4889, 0.4072, 0.4460**, and **11.5539, 0.4392, 0.4895** is the 20% darker color. If you saturate the color by 10%, you get **27.7203, 0.4358, 0.4791**, and if you desaturate by 10%, it is **29.3523, 0.4137, 0.4585**.

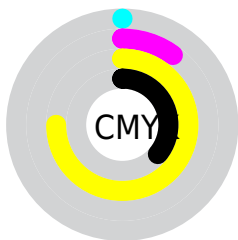
Distribution



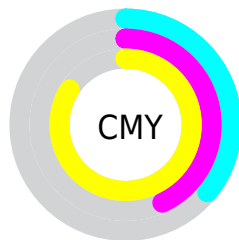
- Red (64%)
- Green (57%)
- Blue (16%)



- Red (24%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (10%)
- Yellow (75%)
- Black (36%)



- Cyan (36%)
- Magenta (43%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5044, 0.4260, 0.4709 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 28.5044, 0.4260, 0.4709 by changing the saturation by 10% instead.


 28.5044, 0.4260,
0.4709


 28.5044, 0.4260,
0.4709


 294.8693, 0.3706,
0.3988


 18.7062, 0.4371,
0.4868


 57.2887, 0.4073,
0.4456

 11.4582, 0.4487,
0.5049


 77.0437, 0.3997,
0.4357

 6.3759, 0.4669,
0.5331


 100.8864, 0.3931,
0.4272

 3.0750, 0.4612,
0.5388

 129.2012, 0.3874,
0.4199

 1.1710, 0.4511,
0.5489

 162.3725, 0.3824,
0.4136

 0.0378, 0.0000,
1.0000

 200.7847, 0.3780,

 0.0000, 0.0000,

0.4080

0.0000

244.8222, 0.3740,
0.4031

■ 28.5044, 0.4260,
0.4709

■ 28.5044, 0.4260,
0.4709

■ 27.7203, 0.4358,
0.4791

■ 29.3523, 0.4137,
0.4585

■ 26.9894, 0.4428,
0.4830

■ 30.2652, 0.3995,
0.4425

■ 26.6257, 0.4459,
0.4841

■ 31.2491, 0.3839,
0.4237

■ 32.3080, 0.3676,
0.4031

■ 33.4456, 0.3512,
0.3817

■ 34.6656, 0.3351,
0.3601

■ 35.9709, 0.3198,
0.3389

■ 37.3648, 0.3054,
0.3187

■ 38.8499, 0.2921,
0.2997

Harmonies

Analogous

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



28.5044, 0.4792, 0.4131



28.5044, 0.4260, 0.4709



28.5044, 0.3473, 0.4962

Triad

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



28.5044, 0.4260, 0.4709



28.5044, 0.1660, 0.2701



28.5044, 0.3454, 0.2379

Complementary

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



28.5044, 0.4260, 0.4709



6.1456, 0.1788, 0.1216

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.



28.5044, 0.2579, 0.2056



28.5044, 0.4260, 0.4709



28.5044, 0.1661, 0.2163

Square

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



28.5044, 0.4260, 0.4709



28.5044, 0.1986, 0.3597



28.5044, 0.1965, 0.1970



28.5044, 0.4343, 0.2885

Rectangle

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



28.5044, 0.4260, 0.4709



28.5044, 0.2908, 0.4767



28.5044, 0.1965, 0.1970



28.5044, 0.3143, 0.2248

Sweetspot

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



28.5058, 0.4260, 0.4709



60.4012, 0.3472, 0.3764



9.6939, 0.5291, 0.3071



13.4436, 0.3514, 0.3819



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.



28.5058, 0.4260, 0.4709



48.7291, 0.4409, 0.4822



30.3772, 0.3639, 0.5192



8.0680, 0.3265, 0.3482



20.7370, 0.4457, 0.4843



0.4791, 0.4348, 0.4929

Inverse Universe

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



6.1456, 0.1788, 0.1216



6.9898, 0.1592, 0.0843



6.1028, 0.2106, 0.1165



7.0120, 0.2987, 0.3091



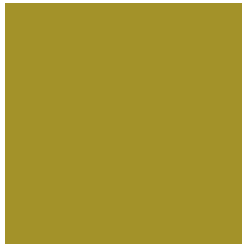
2.5653, 0.1537, 0.0731



0.0972, 0.1667, 0.1201

Previews

White Background



This preview shows how the Yxy color 28.5044, 0.4260, 0.4709 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 28.5044, 0.4260, 0.4709 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 28.5044, 0.4260, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 28.5044, 0.4260, 0.4709.



This preview shows how white text looks on a background with the Yxy color 28.5044, 0.4260, 0.4709.

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

28.5044, 0.4260, 0.4709

Protanopia

28.5044, 0.4260, 0.4709

Deuteranopia

28.3039, 0.4543, 0.4460



Tritanopia

28.3728, 0.3403, 0.3128

Trichromacy



Original Color

28.5044, 0.4260, 0.4709

Protanomaly

28.5044, 0.4260, 0.4709

Deuteranomaly

28.3381, 0.4438, 0.4550

Tritanomaly

28.1637, 0.3788, 0.3779

Monochromacy



Original Color

28.5044, 0.4260, 0.4709

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.6212, 0.3597, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5044, 0.4260, 0.4709 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(163, 146, 41)` looks like.

```
.text, #text, p{  
    color:rgb(163, 146, 41)  
}
```

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(163, 146, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 146, 41) }
```

Border

The CSS property to change the border of an element to Yxy 28.5044, 0.4260, 0.4709 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(163, 146, 41) }
```

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

```
.border{ border-color:rgb(163, 146, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 146, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 146, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 146, 41);  
box-shadow:4px 4px 4px 4px rgb(163, 146,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5044, 0.4260, 0.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 146, 41) }
```

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

```
.background{ background-color: rgb(163,  
146, 41) }
```

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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