

Converting Colors

$Y_{xy}(28.5438, 0.4102, 0.4805)$

Have a look what the booklet for
Yxy(28.5438, 0.4102, 0.4805)
contains.

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Color

Yxy(28.4416, 0.4104, 0.4800)

Conversions

Conversions Part 1

Format	Color
Hex	99952B
RGB	153, 149, 43
RGB Percent	60%, 58%, 17%
CMY	0.4001, 0.4156, 0.8313
CMYK	0.00, 0.03, 0.72, 0.40
HSL	58°, 56%, 38%
HSV	58°, 72%, 60%
XYZ	24.3176, 28.4416, 6.4942
YIQ	138.1120, 36.4100, -32.1180

Conversions

Conversions Part 2

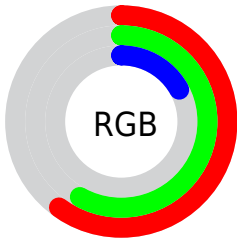
Format	Color
R_{YB}	47, 153, 43
Decimal	10065195
CIE _{Lab}	60.29, -11.40, 53.38
CIE _{LCh}	60, 54.589, 102.054
Yxy	28.4416, 0.4104, 0.4800
Android (android.graphics.Color)	4288255275 (0xFF99952B)
YUV	138.1120, -46.8902, 13.0568
Hunter-Lab	53.3307, -11.9367, 30.1116

Details

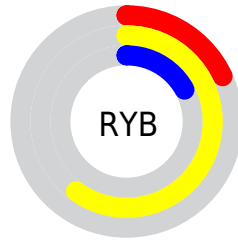
The Yxy color **28.4416, 0.4104, 0.4800** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.8443, 0.1794, 0.1120**, and the grayscale version is **25.6328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2580, 0.3947, 0.4516**, and **11.5204, 0.4177, 0.5066** is the 20% darker color. If you saturate the color by 10%, you get **28.1766, 0.4179, 0.4906**, and if you desaturate by 10%, it is **28.7522, 0.4005, 0.4654**.

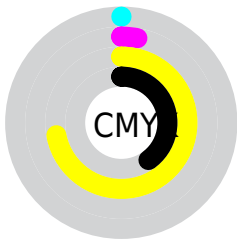
Distribution



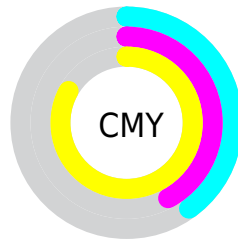
- Red (60%)
- Green (58%)
- Blue (17%)



- Red (18%)
- Yellow (60%)
- Blue (17%)



- Cyan (0%)
- Magenta (3%)
- Yellow (72%)
- Black (40%)




- Cyan (40%)
- Magenta (42%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4416, 0.4104, 0.4800 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 28.4416, 0.4104, 0.4800 by changing the saturation by 10% instead.


 28.4416, 0.4104,
0.4800


 28.4416, 0.4104,
0.4800


294.5711, 0.3634,
0.4012


 18.6588, 0.4193,
0.4985


 57.1887, 0.3948,
0.4516


 11.4240, 0.4281,
0.5203


 76.9218, 0.3884,
0.4408


 6.3528, 0.4434,
0.5566


 100.7405, 0.3828,
0.4316

 3.0608, 0.4310,
0.5690

 129.0291, 0.3779,
0.4237

 1.1635, 0.4086,
0.5914

 162.1721, 0.3736,
0.4169

 0.0316, 0.0000,
1.0000

 200.5538, 0.3698,

 0.0000, 0.0000,

0.4110

0.0000

244.5587, 0.3664,
0.4058

■ 28.4416, 0.4104,
0.4800

■ 28.4416, 0.4104,
0.4800

■ 28.1766, 0.4179,
0.4906

■ 28.7522, 0.4005,
0.4654

■ 27.9482, 0.4229,
0.4971

■ 29.1086, 0.3884,
0.4472

■ 27.7805, 0.4256,
0.5002

■ 29.5160, 0.3748,
0.4264

■ 29.9775, 0.3602,
0.4037

■ 30.4963, 0.3451,
0.3802

■ 31.0753, 0.3301,
0.3565

■ 31.7169, 0.3154,
0.3333

■ 32.4237, 0.3015,
0.3111

■ 33.1981, 0.2884,
0.2902

Harmonies

Analogous

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



28.4416, 0.4707, 0.4264



28.4416, 0.4104, 0.4800



28.4416, 0.3291, 0.4931

Triad

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



28.4416, 0.4104, 0.4800



28.4416, 0.1637, 0.2555



28.4416, 0.3655, 0.2477

Complementary

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



28.4416, 0.4104, 0.4800



4.8443, 0.1794, 0.1120

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.



28.4416, 0.2750, 0.2109



28.4416, 0.4104, 0.4800



28.4416, 0.1703, 0.2098

Square

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



28.4416, 0.4104, 0.4800



28.4416, 0.1890, 0.3383



28.4416, 0.2073, 0.1969



28.4416, 0.4493, 0.3010

Rectangle

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



28.4416, 0.4104, 0.4800



28.4416, 0.2735, 0.4630



28.4416, 0.2073, 0.1969



28.4416, 0.3341, 0.2332

Sweetspot

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



28.4429, 0.4104, 0.4800



54.5781, 0.3459, 0.3815



8.7163, 0.5381, 0.3225



11.9994, 0.3496, 0.3873



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.4429, 0.4104, 0.4800



50.2308, 0.4211, 0.4949



25.8629, 0.3516, 0.5204



7.1847, 0.3261, 0.3502



22.9778, 0.4256, 0.5003



0.3537, 0.4226, 0.5027

Inverse Universe

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



4.8443, 0.1794, 0.1120



5.5087, 0.1591, 0.0773



6.3286, 0.2299, 0.1314



6.0603, 0.2988, 0.3069



2.0107, 0.1509, 0.0631



0.0384, 0.1551, 0.0783

Previews

White Background



This preview shows how the Yxy color 28.4416, 0.4104, 0.4800 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 28.4416, 0.4104, 0.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

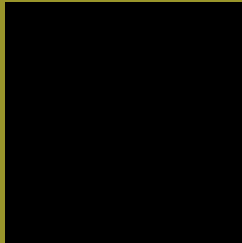
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4416, 0.4104, 0.4800

Background



This preview shows how black text looks on a background with the Yxy color 28.4416, 0.4104, 0.4800.



This preview shows how white text looks on a background with the Yxy color 28.4416, 0.4104, 0.4800.

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

28.4416, 0.4104, 0.4800

Protanopia

28.5115, 0.4254, 0.4701

Deuteranopia

28.3273, 0.4525, 0.4436



Tritanopia

28.3486, 0.3266, 0.3124

Trichromacy



Original Color

28.4416, 0.4104, 0.4800

Protanomaly

28.4055, 0.4198, 0.4742

Deuteranomaly

28.2012, 0.4365, 0.4566

Tritanomaly

28.1635, 0.3637, 0.3795

Monochromacy



Original Color

28.4416, 0.4104, 0.4800

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.1649, 0.3539, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4416, 0.4104, 0.4800 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(153, 149, 43)` looks like.

```
.text, #text, p{  
    color:rgb(153, 149, 43)  
}
```

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(153, 149, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 149, 43) }
```

Border

The CSS property to change the border of an element to Yxy 28.4416, 0.4104, 0.4800 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(153, 149, 43) }
```

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

```
.border{ border-color:rgb(153, 149, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 149, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 149, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 149, 43);  
box-shadow:4px 4px 4px 4px rgb(153, 149,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4416, 0.4104, 0.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 149, 43) }
```

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

```
.background{ background-color: rgb(153,  
149, 43) }
```

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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