

Converting Colors

$Y_{xy}(16.8933, 0.4279, 0.3746)$

Have a look what the booklet for
Yxy(16.8933, 0.4279, 0.3746)
contains.

Yxy(16.8808, 0.4288, 0.3741)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8808, 0.4288, 0.3741)

Conversions

Conversions Part 1

Format	Color
Hex	9A664B
RGB	154, 102, 75
RGB Percent	60%, 40%, 29%
CMY	0.3960, 0.6000, 0.7059
CMYK	0.00, 0.34, 0.51, 0.40
HSL	21°, 35%, 45%
HSV	21°, 51%, 60%
XYZ	19.3491, 16.8808, 8.8939
YIQ	114.4700, 39.6590, 2.6270

Conversions

Conversions Part 2

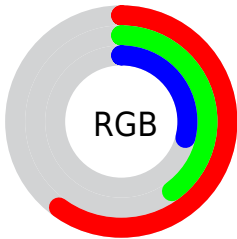
Format	Color
RYB	154, 116, 75
Decimal	10118731
CIELab	48.11, 17.80, 23.76
CIELCh	48, 29.684, 53.158
Yxy	16.8808, 0.4288, 0.3741
Android (android.graphics.Color)	4288308811 (0xFF9A664B)
YUV	114.4700, -19.4587, 34.6678
Hunter-Lab	41.0863, 12.1615, 15.9259

Details

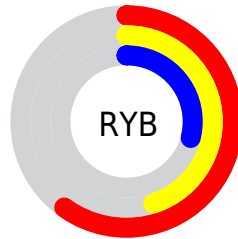
The Yxy color **16.8808, 0.4288, 0.3741** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.0089, 0.2376, 0.2766**, and the grayscale version is **17.0271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0866, 0.4021, 0.3655**, and **5.5354, 0.4785, 0.3864** is the 20% darker color. If you saturate the color by 10%, you get **14.8235, 0.4613, 0.3810**, and if you desaturate by 10%, it is **19.2346, 0.3992, 0.3657**.

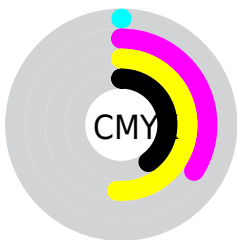
Distribution



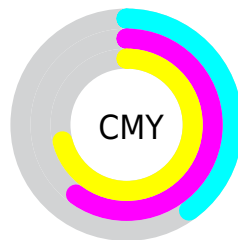
- Red (60%)
- Green (40%)
- Blue (29%)



- Red (60%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (34%)
- Yellow (51%)
- Black (40%)





- Cyan (40%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8808, 0.4288, 0.3741 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 16.8808, 0.4288, 0.3741 by changing the saturation by 10% instead.


 16.8808, 0.4288,
0.3741

 16.8808, 0.4288,
0.3741


234.4845, 0.3609,
0.3507


 10.1495, 0.4496,
0.3794


 38.1207, 0.4014,
0.3658


 5.4982, 0.4787,
0.3850

 53.3982, 0.3920,
0.3625

 2.5424, 0.5263,
0.3930

 72.2931, 0.3843,
0.3598

 0.8978, 0.6043,
0.3957

 95.1900, 0.3780,
0.3575

 0.0000, 1.0000,
0.0000

 122.4732, 0.3727,
0.3554

 0.0000, 0.0000,
0.0000

154.5271, 0.3682,

0.3537

191.7361, 0.3643,
0.3521

■ 16.8808, 0.4288,
0.3741

■ 16.8808, 0.4288,
0.3741

■ 14.8235, 0.4613,
0.3810

■ 19.2346, 0.3992,
0.3657

■ 13.0475, 0.4956,
0.3853

■ 21.8939, 0.3731,
0.3565

■ 11.5403, 0.5294,
0.3857

■ 24.8708, 0.3505,
0.3474

■ 10.2869, 0.5598,
0.3815

■ 28.1754, 0.3312,
0.3385

■ 9.3842, 0.5831,
0.3752

■ 31.8179, 0.3147,
0.3301

■ 35.8077, 0.3006,
0.3222

■ 40.1538, 0.2887,
0.3151

■ 44.8651, 0.2785,
0.3085

■ 49.9500, 0.2697,
0.3025

Harmonies

Analogous

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



16.8808, 0.4148, 0.3290



16.8808, 0.4288, 0.3741



16.8808, 0.4086, 0.4138

Triad

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



16.8808, 0.4288, 0.3741



16.8808, 0.2542, 0.3752



16.8808, 0.2570, 0.2388

Complementary

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



16.8808, 0.4288, 0.3741



19.0089, 0.2376, 0.2766

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.



16.8808, 0.2216, 0.2423



16.8808, 0.4288, 0.3741



16.8808, 0.2197, 0.3157

Square

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



16.8808, 0.4288, 0.3741



16.8808, 0.3064, 0.4222



16.8808, 0.2086, 0.2680



16.8808, 0.3104, 0.2550

Rectangle

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



16.8808, 0.4288, 0.3741



16.8808, 0.3802, 0.4309



16.8808, 0.2086, 0.2680



16.8808, 0.2429, 0.2377

Sweetspot

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



16.8816, 0.4288, 0.3741



48.7051, 0.3386, 0.3420



13.4522, 0.3583, 0.2444



10.7572, 0.3424, 0.3437



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.8816, 0.4288, 0.3741



26.2599, 0.4679, 0.3821



26.3817, 0.3953, 0.4328



6.5507, 0.3275, 0.3367



7.7057, 0.5817, 0.3763



0.1783, 0.5097, 0.4335

Inverse Universe

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



19.0089, 0.2376, 0.2766



30.5121, 0.2229, 0.2618



10.8354, 0.2221, 0.1967



6.6708, 0.2989, 0.3212



9.6100, 0.1933, 0.2158



0.2106, 0.2086, 0.2710

Previews

White Background



This preview shows how the Yxy color 16.8808, 0.4288, 0.3741 looks on a white 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

Black Background



This preview shows how the Yxy color 16.8808, 0.4288, 0.3741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

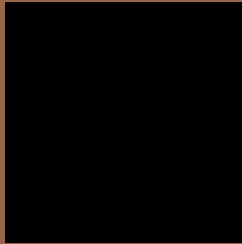
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8808, 0.4288, 0.3741

Background



This preview shows how black text looks on a background with the Yxy color 16.8808, 0.4288, 0.3741.



This preview shows how white text looks on a background with the Yxy color 16.8808, 0.4288, 0.3741.

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

16.8808, 0.4288, 0.3741

Protanopia

17.1257, 0.3689, 0.3976

Deuteranopia

16.8216, 0.4024, 0.3947



Tritanopia

16.8232, 0.3894, 0.3176

Trichromacy



Original Color

16.8808, 0.4288, 0.3741

Protanomaly

16.8528, 0.3907, 0.3886

Deuteranomaly

16.7318, 0.4124, 0.3856

Tritanomaly

16.7004, 0.4044, 0.3377

Monochromacy



Original Color

16.8808, 0.4288, 0.3741

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.7391, 0.3522, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8808, 0.4288, 0.3741 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(154, 102, 75)` looks like.

```
.text, #text, p{  
    color:rgb(154, 102, 75)  
}
```

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(154, 102, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 102, 75) }
```

Border

The CSS property to change the border of an element to Yxy 16.8808, 0.4288, 0.3741 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(154, 102, 75) }
```

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

```
.border{ border-color:rgb(154, 102, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 102, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 102, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 102, 75);  
box-shadow:4px 4px 4px 4px rgb(154, 102,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8808, 0.4288, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 102, 75) }
```

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

```
.background{ background-color: rgb(154,  
102, 75) }
```

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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