

Converting Colors

$Yxy(16.4655, 0.2708, 0.4866)$

Have a look what the booklet for
Yxy(16.4655, 0.2708, 0.4866)
contains.

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Color

Yxy(16.4471, 0.2711, 0.4872)

Conversions

Conversions Part 1

Format	Color
Hex	0A8244
RGB	10, 130, 68
RGB Percent	4%, 51%, 27%
CMY	0.9603, 0.4902, 0.7334
CMYK	0.92, 0.00, 0.48, 0.49
HSL	149°, 86%, 27%
HSV	149°, 92%, 51%
XYZ	9.1519, 16.4471, 8.1594
YIQ	87.0520, -51.6180, -44.7220

Conversions

Conversions Part 2

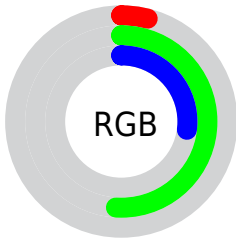
Format	Color
RYB	10, 91, 130
Decimal	688708
CIELab	47.56, -44.78, 25.26
CIELCh	48, 51.409, 150.571
Yxy	16.4471, 0.2711, 0.4872
Android (android.graphics.Color)	4278878788 (0xFF0A8244)
YUV	87.0520, -9.3926, -67.5746
Hunter-Lab	40.5550, -30.6898, 16.4598

Details

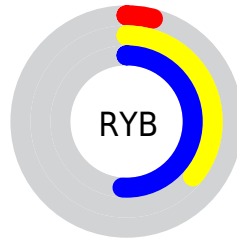
The Yxy color **16.4471, 0.2711, 0.4872** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.4348, 0.4647, 0.2408**, and the grayscale version is **9.5789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3592, 0.2838, 0.4449**, and **5.6499, 0.2859, 0.5493** is the 20% darker color. If you saturate the color by 10%, you get **16.3215, 0.2726, 0.5015**, and if you desaturate by 10%, it is **16.6528, 0.2699, 0.4682**.

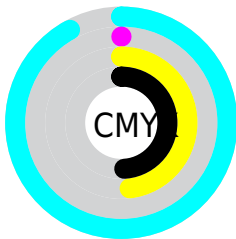
Distribution



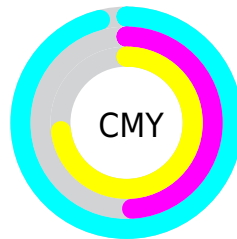
- Red (4%)
- Green (51%)
- Blue (27%)



- Red (4%)
- Yellow (36%)
- Blue (51%)



- Cyan (92%)
- Magenta (0%)
- Yellow (48%)
- Black (49%)




- Cyan (96%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4471, 0.2711, 0.4872 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 16.4471, 0.2711, 0.4872 by changing the saturation by 10% instead.


 16.4471, 0.2711,
0.4872


 16.4471, 0.2711,
0.4872


231.9657, 0.2990,
0.3882


 9.8411, 0.2599,
0.5221


 37.3727, 0.2838,
0.4447


 5.2937, 0.2415,
0.5754

 52.4610, 0.2877,
0.4309


 2.4206, 0.2140,
0.6867

 71.1456, 0.2907,
0.4200

 0.8365, 0.0000,
1.0000

 93.8108, 0.2931,
0.4112

 0.0000, 0.0000,
0.0000

 120.8410, 0.2950,
0.4039

 152.6206, 0.2966,

0.3978

189.5341, 0.2979,
0.3926

■ 16.4471, 0.2711,
0.4872

■ 16.4471, 0.2711,
0.4872

■ 16.3215, 0.2726,
0.5015

■ 16.6528, 0.2699,
0.4682

■ 16.9430, 0.2705,
0.4487

■ 17.3283, 0.2730,
0.4291

■ 17.8172, 0.2770,
0.4100

■ 18.4172, 0.2823,
0.3917

■ 19.1353, 0.2886,
0.3747

■ 19.9775, 0.2957,
0.3589

■ 20.9499, 0.3032,
0.3446

■ 22.0577, 0.3110,
0.3317

Harmonies

Analogous

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



16.4471, 0.3637, 0.5170



16.4471, 0.2711, 0.4872



16.4471, 0.1949, 0.3826

Triad

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



16.4471, 0.2711, 0.4872



16.4471, 0.1767, 0.1849



16.4471, 0.5015, 0.3367

Complementary

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



16.4471, 0.2711, 0.4872



5.4348, 0.4647, 0.2408

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.



16.4471, 0.4343, 0.2728



16.4471, 0.2711, 0.4872



16.4471, 0.2374, 0.1900

Square

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



16.4471, 0.2711, 0.4872



16.4471, 0.1496, 0.2103



16.4471, 0.3308, 0.2210



16.4471, 0.5027, 0.4059

Rectangle

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



16.4471, 0.2711, 0.4872



16.4471, 0.1636, 0.3074



16.4471, 0.3308, 0.2210



16.4471, 0.4859, 0.3146

Sweetspot

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



16.4478, 0.2711, 0.4872



34.2052, 0.2911, 0.3688



17.4453, 0.3461, 0.5556



7.6255, 0.2886, 0.3748



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.4478, 0.2711, 0.4872



28.7140, 0.2737, 0.5053



17.5370, 0.2288, 0.3378



4.8506, 0.3056, 0.3404



15.6512, 0.2726, 0.5012



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4348, 0.4647, 0.2408



9.0467, 0.4872, 0.2458



4.9973, 0.6148, 0.3270



4.3785, 0.3204, 0.3179



4.9432, 0.4824, 0.2431



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.4471, 0.2711, 0.4872 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 16.4471, 0.2711, 0.4872 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 16.4471, 0.2711, 0.4872

Background



This preview shows how black text looks on a background with the Yxy color 16.4471, 0.2711, 0.4872.



This preview shows how white text looks on a background with the Yxy color 16.4471, 0.2711, 0.4872.

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

16.4471, 0.2711, 0.4872

Protanopia

16.1471, 0.3916, 0.4264

Deuteranopia

16.1607, 0.3984, 0.3906



Tritanopia

16.5375, 0.2344, 0.3069

Trichromacy



Original Color

16.4471, 0.2711, 0.4872



Protanomaly

15.3577, 0.3275, 0.4571



Deuteranomaly

14.9030, 0.3308, 0.4280



Tritanomaly

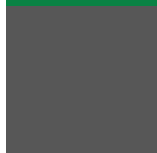
16.3832, 0.2461, 0.3694

Monochromacy



Original Color

16.4471, 0.2711, 0.4872



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.2095, 0.2829, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4471, 0.2711, 0.4872 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(10, 130, 68)` looks like.

```
.text, #text, p{  
    color:rgb(10, 130, 68)  
}
```

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(10, 130, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 130, 68) }
```

Border

The CSS property to change the border of an element to Yxy 16.4471, 0.2711, 0.4872 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(10, 130, 68) }
```

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

```
.border{ border-color:rgb(10, 130, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 130, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 130, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 130, 68);  
box-shadow:4px 4px 4px 4px rgb(10, 130,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4471, 0.2711, 0.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 130, 68) }
```

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

```
.background{ background-color: rgb(10, 130,  
68) }
```

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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