

Converting Colors

$Y_{xy}(16.7456, 0.2691, 0.4810)$

Have a look what the booklet for
Yxy(16.7456, 0.2691, 0.4810)
contains.

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Color

Yxy(16.7456, 0.2691, 0.4810)

Conversions

Conversions Part 1

Format	Color
Hex	098347
RGB	9, 131, 71
RGB Percent	4%, 51%, 28%
CMY	0.9638, 0.4863, 0.7216
CMYK	0.93, 0.00, 0.46, 0.49
HSL	150°, 87%, 27%
HSV	150°, 93%, 51%
XYZ	9.3685, 16.7456, 8.7001
YIQ	87.6820, -53.4520, -44.5240

Conversions

Conversions Part 2

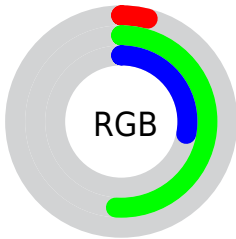
Format	Color
RYB	9, 90, 131
Decimal	623431
CIELab	47.94, -44.63, 24.10
CIElCh	48, 50.718, 151.635
Yxy	16.7456, 0.2691, 0.4810
Android (android.graphics.Color)	4278813511 (0xFF098347)
YUV	87.6820, -8.2242, -69.0041
Hunter-Lab	40.9214, -30.7469, 16.0397

Details

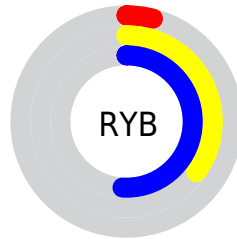
The Yxy color **16.7456, 0.2691, 0.4810** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.4580, 0.4756, 0.2463**, and the grayscale version is **9.7287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8478, 0.2821, 0.4408**, and **5.8119, 0.2827, 0.5379** is the 20% darker color. If you saturate the color by 10%, you get **16.6304, 0.2704, 0.4935**, and if you desaturate by 10%, it is **16.9484, 0.2679, 0.4628**.

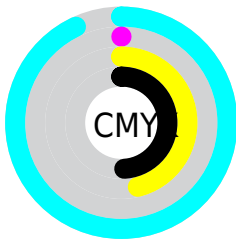
Distribution



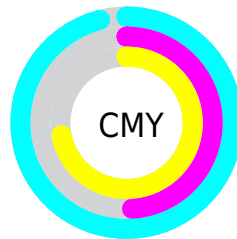
- Red (4%)
- Green (51%)
- Blue (28%)



- Red (4%)
- Yellow (35%)
- Blue (51%)



- Cyan (93%)
- Magenta (0%)
- Yellow (46%)
- Black (49%)




- Cyan (96%)
- Magenta (49%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7456, 0.2691, 0.4810 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 16.7456, 0.2691, 0.4810 by changing the saturation by 10% instead.


 16.7456, 0.2691,
0.4810


 16.7456, 0.2691,
0.4810

233.7021, 0.2978,
0.3861


 10.0533, 0.2579,
0.5143


 37.8879, 0.2820,
0.4404


 5.4343, 0.2398,
0.5651

 53.1066, 0.2860,
0.4271


 2.5043, 0.2111,
0.6625

 71.9362, 0.2891,
0.4167

 0.8788, 0.0000,
1.0000

 94.7612, 0.2916,
0.4082

 0.0000, 0.0000,
0.0000

 121.9658, 0.2936,
0.4013

 153.9346, 0.2952,

0.3954

191.0519, 0.2966,
0.3904

■ 16.7456, 0.2691,
0.4810

■ 16.7456, 0.2691,
0.4810

■ 16.6304, 0.2704,
0.4935

■ 16.9484, 0.2679,
0.4628

■ 17.2354, 0.2686,
0.4442

■ 17.6176, 0.2710,
0.4255

■ 18.1038, 0.2751,
0.4073

■ 18.7017, 0.2806,
0.3899

■ 19.4182, 0.2871,
0.3736

■ 20.2598, 0.2944,
0.3585

■ 21.2323, 0.3022,
0.3448

■ 22.3414, 0.3103,
0.3324

Harmonies

Analogous

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



16.7456, 0.3602, 0.5139



16.7456, 0.2691, 0.4810



16.7456, 0.1950, 0.3775

Triad

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



16.7456, 0.2691, 0.4810



16.7456, 0.1804, 0.1868



16.7456, 0.4992, 0.3394

Complementary

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



16.7456, 0.2691, 0.4810



5.4580, 0.4756, 0.2463

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.



16.7456, 0.4353, 0.2759



16.7456, 0.2691, 0.4810



16.7456, 0.2415, 0.1927

Square

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



16.7456, 0.2691, 0.4810



16.7456, 0.1524, 0.2109



16.7456, 0.3342, 0.2242



16.7456, 0.4985, 0.4079

Rectangle

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



16.7456, 0.2691, 0.4810



16.7456, 0.1649, 0.3045



16.7456, 0.3342, 0.2242



16.7456, 0.4846, 0.3175

Sweetspot

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



16.7463, 0.2691, 0.4810



35.3964, 0.2902, 0.3669



17.5584, 0.3413, 0.5601



8.1145, 0.2875, 0.3727



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.7463, 0.2691, 0.4810



29.7519, 0.2715, 0.4973



17.9299, 0.2260, 0.3287



5.2412, 0.3053, 0.3399



16.3716, 0.2704, 0.4934



0.0582, 0.2492, 0.4171

Inverse Universe

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



5.4580, 0.4756, 0.2463



9.2840, 0.4978, 0.2516



5.0458, 0.6218, 0.3299



4.7241, 0.3208, 0.3183



5.1208, 0.4928, 0.2489



0.0192, 0.4052, 0.2006

Previews

White Background



This preview shows how the Yxy color 16.7456, 0.2691, 0.4810 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 16.7456, 0.2691, 0.4810 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 16.7456, 0.2691, 0.4810

Background



This preview shows how black text looks on a background with the Yxy color 16.7456, 0.2691, 0.4810.



This preview shows how white text looks on a background with the Yxy color 16.7456, 0.2691, 0.4810.

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

16.7456, 0.2691, 0.4810

Protanopia

16.4655, 0.3899, 0.4239

Deuteranopia

16.4118, 0.3936, 0.3869



Tritanopia

16.8146, 0.2342, 0.3070

Trichromacy



Original Color

16.7456, 0.2691, 0.4810



Protanomaly

15.6320, 0.3242, 0.4521



Deuteranomaly

15.1226, 0.3257, 0.4234



Tritanomaly

16.6838, 0.2451, 0.3666

Monochromacy



Original Color

16.7456, 0.2691, 0.4810



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.4396, 0.2808, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7456, 0.2691, 0.4810 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(9, 131, 71)` looks like.

```
.text, #text, p{  
    color:rgb(9, 131, 71)  
}
```

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(9, 131, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 131, 71) }
```

Border

The CSS property to change the border of an element to Yxy 16.7456, 0.2691, 0.4810 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(9, 131, 71) }
```

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

```
.border{ border-color:rgb(9, 131, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 131, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 131, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 131, 71);  
box-shadow:4px 4px 4px 4px rgb(9, 131, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7456, 0.2691, 0.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 131, 71) }
```

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

```
.background{ background-color: rgb(9, 131,  
71) }
```

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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