

Converting Colors

$Y_{xy}(18.7010, 0.2966, 0.4435)$

Have a look what the booklet for
Yxy(18.7010, 0.2966, 0.4435)
contains.

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Color

Yxy(18.7238, 0.2966, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	478552
RGB	71, 133, 82
RGB Percent	28%, 52%, 32%
CMY	0.7217, 0.4784, 0.6784
CMYK	0.47, 0.00, 0.38, 0.48
HSL	131°, 30%, 40%
HSV	131°, 47%, 52%
XYZ	12.5078, 18.7238, 10.9391
YIQ	108.6480, -20.5810, -29.0050

Conversions

Conversions Part 2

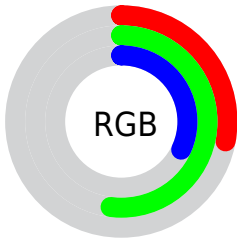
Format	Color
R_{YB}	71, 124, 133
Decimal	4687186
CIE _{Lab}	50.36, -31.72, 21.44
CIE _{LCh}	50, 38.290, 145.944
Yxy	18.7238, 0.2966, 0.4440
Android (android.graphics.Color)	4282877266 (0xFF478552)
YUV	108.6480, -13.1375, -33.0173
Hunter-Lab	43.2710, -24.1274, 15.3010

Details

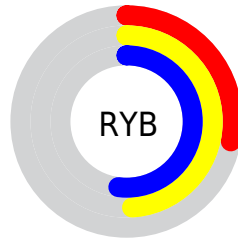
The Yxy color **18.7238, 0.2966, 0.4440** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.8946, 0.3354, 0.2367**, and the grayscale version is **15.2291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4175, 0.3018, 0.4152**, and **6.4240, 0.2840, 0.5032** is the 20% darker color. If you saturate the color by 10%, you get **18.1223, 0.2942, 0.4737**, and if you desaturate by 10%, it is **19.4635, 0.2996, 0.4153**.

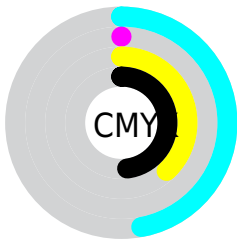
Distribution



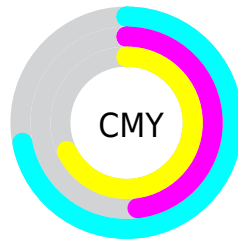
- Red (28%)
- Green (52%)
- Blue (32%)



- Red (28%)
- Yellow (49%)
- Blue (52%)



- Cyan (47%)
- Magenta (0%)
- Yellow (38%)
- Black (48%)



- Cyan (72%)
- Magenta (48%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7238, 0.2966, 0.4440 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 18.7238, 0.2966, 0.4440 by changing the saturation by 10% instead.


 18.7238, 0.2966,
0.4440


 18.7238, 0.2966,
0.4440

244.9197, 0.3079,
0.3743


 11.4709, 0.2919,
0.4673


 41.2669, 0.3018,
0.4148


 6.3845, 0.2840,
0.5019


 57.3258, 0.3034,
0.4051


 3.0803, 0.2691,
0.5579

 77.0888, 0.3046,
0.3974

 1.1738, 0.2121,
0.7879

 100.9404, 0.3056,
0.3911

 0.0401, 0.0000,
1.0000

 129.2649, 0.3063,
0.3858

 0.0000, 0.0000,
0.0000

162.4467, 0.3069,

0.3814

200.8701, 0.3074,
0.3776

■ 18.7238, 0.2966,
0.4440

■ 18.7238, 0.2966,
0.4440

■ 18.1223, 0.2942,
0.4737

■ 19.4635, 0.2996,
0.4153

■ 17.6481, 0.2926,
0.5032

■ 20.3467, 0.3031,
0.3885

■ 17.2925, 0.2921,
0.5309

■ 21.3816, 0.3067,
0.3640

■ 17.0447, 0.2927,
0.5551


■ 22.5747, 0.3103,
0.3421


■ 16.8862, 0.2941,
0.5745


■ 23.9324, 0.3139,
0.3228

 16.8412, 0.2944,
0.5800

 25.4607, 0.3174,
0.3058

 27.1651, 0.3206,
0.2910

 29.0511, 0.3237,
0.2781

 31.1239, 0.3265,
0.2669

Harmonies

Analogous

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



18.7238, 0.3663, 0.4619



18.7238, 0.2966, 0.4440



18.7238, 0.2350, 0.3800

Triad

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



18.7238, 0.2966, 0.4440



18.7238, 0.2049, 0.2219



18.7238, 0.4435, 0.3318

Complementary

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



18.7238, 0.2966, 0.4440



10.8946, 0.3354, 0.2367

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.



18.7238, 0.3897, 0.2815



18.7238, 0.2966, 0.4440



18.7238, 0.2492, 0.2210

Square

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



18.7238, 0.2966, 0.4440



18.7238, 0.1871, 0.2487



18.7238, 0.3158, 0.2424



18.7238, 0.4555, 0.3858

Rectangle

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



18.7238, 0.2966, 0.4440



18.7238, 0.2064, 0.3283



18.7238, 0.3158, 0.2424



18.7238, 0.4295, 0.3143

Sweetspot

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



18.7246, 0.2966, 0.4440



38.7566, 0.3075, 0.3587



21.4177, 0.3659, 0.4441



8.6464, 0.3068, 0.3630



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.



18.7246, 0.2966, 0.4440



32.3899, 0.2941, 0.4756



19.2924, 0.2697, 0.3736



5.2173, 0.3094, 0.3473



16.0410, 0.2944, 0.5797



0.0564, 0.2772, 0.5178

Inverse Universe

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



10.8946, 0.3354, 0.2367



16.5442, 0.3421, 0.2182



10.2568, 0.3911, 0.2898



4.7490, 0.3162, 0.3113



5.8095, 0.3701, 0.1812



0.0210, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 18.7238, 0.2966, 0.4440 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 18.7238, 0.2966, 0.4440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

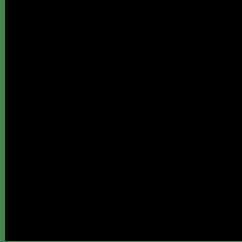
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7238, 0.2966, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 18.7238, 0.2966, 0.4440.



This preview shows how white text looks on a background with the Yxy color 18.7238, 0.2966, 0.4440.

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

18.7238, 0.2966, 0.4440

Protanopia

18.4613, 0.3796, 0.4096

Deuteranopia

18.3692, 0.3859, 0.3794



Tritanopia

18.5669, 0.2567, 0.3067

Trichromacy



Original Color

18.7238, 0.2966, 0.4440

Protanomaly

18.2166, 0.3459, 0.4232

Deuteranomaly

18.0436, 0.3486, 0.4012

Tritanomaly

18.6471, 0.2715, 0.3544

Monochromacy



Original Color

18.7238, 0.2966, 0.4440

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.2906, 0.3058, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7238, 0.2966, 0.4440 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(71, 133, 82)` looks like.

```
.text, #text, p{  
    color:rgb(71, 133, 82)  
}
```

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(71, 133, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 133, 82) }
```

Border

The CSS property to change the border of an element to Yxy 18.7238, 0.2966, 0.4440 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(71, 133, 82) }
```

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

```
.border{ border-color:rgb(71, 133, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 133, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 133, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 133, 82);  
box-shadow:4px 4px 4px 4px rgb(71, 133,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7238, 0.2966, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 133, 82) }
```

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

```
.background{ background-color: rgb(71, 133,  
82) }
```

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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