

Converting Colors

$Yxy(18.3505, 0.2904, 0.4464)$

Have a look what the booklet for
Yxy(18.3505, 0.2904, 0.4464)
contains.

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Color

Yxy(18.4742, 0.2904, 0.4461)

Conversions

Conversions Part 1

Format	Color
Hex	408552
RGB	64, 133, 82
RGB Percent	25%, 52%, 32%
CMY	0.7489, 0.4784, 0.6785
CMYK	0.52, 0.00, 0.38, 0.48
HSL	136°, 35%, 39%
HSV	136°, 52%, 52%
XYZ	12.0262, 18.4742, 10.9122
YIQ	106.5550, -24.7530, -30.4890

Conversions

Conversions Part 2

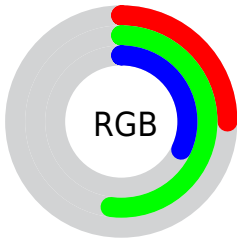
Format	Color
RYB	64, 119, 133
Decimal	4228434
CIELab	50.07, -33.75, 21.01
CIELCh	50, 39.757, 148.102
Yxy	18.4742, 0.2904, 0.4461
Android (android.graphics.Color)	4282418514 (0xFF408552)
YUV	106.5550, -12.1056, -37.3207
Hunter-Lab	42.9816, -25.2736, 15.0345

Details

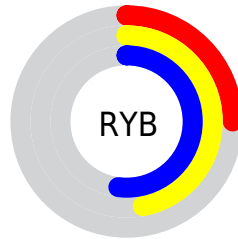
The Yxy color **18.4742, 0.2904, 0.4461** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.8963, 0.3488, 0.2363**, and the grayscale version is **14.6152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9885, 0.2973, 0.4163**, and **6.3268, 0.2755, 0.5073** is the 20% darker color. If you saturate the color by 10%, you get **17.9416, 0.2880, 0.4734**, and if you desaturate by 10%, it is **19.1362, 0.2938, 0.4196**.

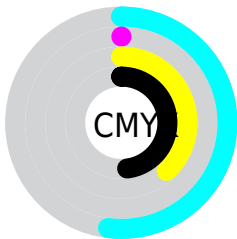
Distribution



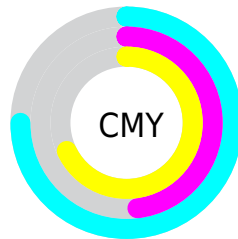
- Red (25%)
- Green (52%)
- Blue (32%)



- Red (25%)
- Yellow (47%)
- Blue (52%)



- Cyan (52%)
- Magenta (0%)
- Yellow (38%)
- Black (48%)



- Cyan (75%)
- Magenta (48%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4742, 0.2904, 0.4461 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 18.4742, 0.2904, 0.4461 by changing the saturation by 10% instead.


 18.4742, 0.2904,
0.4461


 18.4742, 0.2904,
0.4461


243.5305, 0.3053,
0.3749


 11.2910, 0.2845,
0.4701


 40.8437, 0.2971,
0.4162


 6.2629, 0.2749,
0.5059


 56.7988, 0.2992,
0.4063


 3.0056, 0.2573,
0.5643

 76.4466, 0.3008,
0.3984

 1.1347, 0.1717,
0.8283

 100.1715, 0.3021,
0.3919

 0.0073, 0.0000,
1.0000

 128.3580, 0.3031,
0.3866

 0.0000, 0.0000,
0.0000

161.3904, 0.3040,

0.3821

199.6531, 0.3047,
0.3782

■ 18.4742, 0.2904,
0.4461

■ 18.4742, 0.2904,
0.4461

■ 17.9416, 0.2880,
0.4734

■ 19.1362, 0.2938,
0.4196

■ 17.5274, 0.2867,
0.5004

■ 19.9331, 0.2979,
0.3946

■ 17.2228, 0.2869,
0.5258

■ 20.8728, 0.3024,
0.3716

■ 17.0165, 0.2885,
0.5483

■ 21.9619, 0.3071,
0.3508

■ 16.8938, 0.2901,
0.5642

■ 23.2066, 0.3118,
0.3322

■ 24.6128, 0.3165,
0.3158

■ 26.1861, 0.3211,
0.3014

■ 27.9318, 0.3254,
0.2888

■ 29.8548, 0.3295,
0.2779

Harmonies

Analogous

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



18.4742, 0.3628, 0.4682



18.4742, 0.2904, 0.4461



18.4742, 0.2279, 0.3764

Triad

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



18.4742, 0.2904, 0.4461



18.4742, 0.2034, 0.2170



18.4742, 0.4516, 0.3354

Complementary

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



18.4742, 0.2904, 0.4461



9.8963, 0.3488, 0.2363

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.



18.4742, 0.3980, 0.2830



18.4742, 0.2904, 0.4461



18.4742, 0.2509, 0.2180

Square

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



18.4742, 0.2904, 0.4461



18.4742, 0.1830, 0.2423



18.4742, 0.3213, 0.2416



18.4742, 0.4604, 0.3912

Rectangle

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



18.4742, 0.2904, 0.4461



18.4742, 0.1998, 0.3223



18.4742, 0.3213, 0.2416



18.4742, 0.4381, 0.3172

Sweetspot

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



18.4750, 0.2904, 0.4461



38.4162, 0.3049, 0.3599



20.8417, 0.3636, 0.4597



8.5798, 0.3041, 0.3634



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.



18.4750, 0.2904, 0.4461



32.0013, 0.2877, 0.4776



19.1213, 0.2614, 0.3664



5.2232, 0.3084, 0.3455



16.0932, 0.2900, 0.5639



0.0568, 0.2688, 0.4876

Inverse Universe

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



9.8963, 0.3488, 0.2363



14.8709, 0.3599, 0.2193



9.2557, 0.4168, 0.2967



4.7427, 0.3174, 0.3131



5.5979, 0.3973, 0.1962



0.0206, 0.3558, 0.1734

Previews

White Background



This preview shows how the Yxy color 18.4742, 0.2904, 0.4461 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 18.4742, 0.2904, 0.4461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

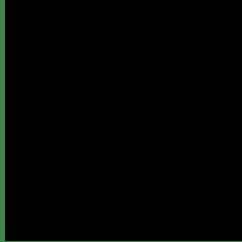
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4742, 0.2904, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 18.4742, 0.2904, 0.4461.



This preview shows how white text looks on a background with the Yxy color 18.4742, 0.2904, 0.4461.

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

18.4742, 0.2904, 0.4461

Protanopia

18.1458, 0.3789, 0.4084

Deuteranopia

18.2820, 0.3845, 0.3797



Tritanopia

18.3476, 0.2525, 0.3064

Trichromacy



Original Color

18.4742, 0.2904, 0.4461

Protanomaly

17.7192, 0.3411, 0.4231

Deuteranomaly

17.7754, 0.3433, 0.4025

Tritanomaly

18.4013, 0.2663, 0.3548

Monochromacy



Original Color

18.4742, 0.2904, 0.4461

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.5968, 0.3021, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4742, 0.2904, 0.4461 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(64, 133, 82)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 133, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 133, 82) }
```

Border

The CSS property to change the border of an element to Yxy 18.4742, 0.2904, 0.4461 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(64, 133, 82) }
```

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

```
.border{ border-color:rgb(64, 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(64, 133, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 133, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 133, 82);  
box-shadow:4px 4px 4px 4px rgb(64, 133,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4742, 0.2904, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 133, 82) }
```

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

```
.background{ background-color: rgb(64, 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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