

Converting Colors

$Yxy(18.8397, 0.3234, 0.4086)$

Have a look what the booklet for
Yxy(18.8397, 0.3234, 0.4086)
contains.

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Color

Yxy(18.9844, 0.3239, 0.4099)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 668059 |
| RGB | 102, 128, 89 |
| RGB Percent | 40%, 50%, 35% |
| CMY | 0.6001, 0.4980, 0.6509 |
| CMYK | 0.20, 0.00, 0.30, 0.50 |
| HSL | 100°, 18%, 43% |
| HSV | 100°, 30%, 50% |
| XYZ | 15.0013, 18.9844, 12.3290 |
| YIQ | 115.7800, -2.9770, -17.6410 |

Conversions

Conversions Part 2

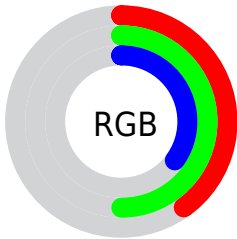
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 89, 128, 115 |
| Decimal | 6717529 |
| CIE _{Lab} | 50.67, -17.16, 18.19 |
| CIE _{LCh} | 51, 25.004, 133.328 |
| Yxy | 18.9844, 0.3239, 0.4099 |
| Android (android.graphics.Color) | 4284907609 (0xFF668059) |
| YUV | 115.7800, -13.2025, -12.0851 |
| Hunter-Lab | 43.5711, -14.7926, 13.7229 |

Details

The Yxy color **18.9844, 0.3239, 0.4099** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.3541, 0.2972, 0.2524**, and the grayscale version is **17.4361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7819, 0.3226, 0.3906**, and **6.5507, 0.3255, 0.4486** is the 20% darker color. If you saturate the color by 10%, you get **18.3149, 0.3267, 0.4402**, and if you desaturate by 10%, it is **19.7444, 0.3205, 0.3811**.

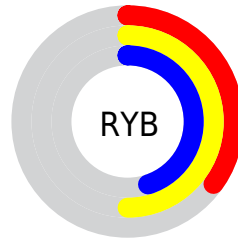
Distribution



Red (40%)

Green (50%)

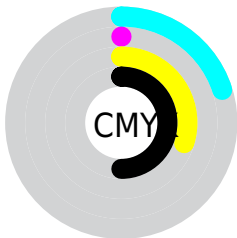
Blue (35%)



Red (35%)

Yellow (50%)

Blue (45%)

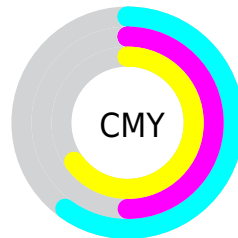


Cyan (20%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (60%)


Magenta (50%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9844, 0.3239, 0.4099 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 18.9844, 0.3239, 0.4099 by changing the saturation by 10% instead.


 18.9844, 0.3239,
0.4099


 18.9844, 0.3239,
0.4099


246.3626, 0.3184,
0.3619


 11.6590, 0.3250,
0.4254


 41.7077, 0.3220,
0.3902


 6.5119, 0.3259,
0.4480


 57.8745, 0.3213,
0.3835

 3.1588, 0.3258,
0.4838

 77.7571, 0.3206,
0.3781

 1.2152, 0.3640,
0.6285

 101.7400, 0.3201,
0.3737

 0.0741, 0.0000,
1.0000

 130.2077, 0.3196,
0.3700

 0.0000, 0.0000,
0.0000

163.5444, 0.3191,

0.3669

202.1346, 0.3188,
0.3642

■ 18.9844, 0.3239,
0.4099

■ 18.9844, 0.3239,
0.4099

■ 18.3149, 0.3267,
0.4402

■ 19.7444, 0.3205,
0.3811

■ 17.7299, 0.3286,
0.4712

■ 20.5958, 0.3168,
0.3544

■ 17.2265, 0.3294,
0.5013


■ 21.5423, 0.3129,
0.3301

■ 16.8007, 0.3288,
0.5292


■ 22.5871, 0.3090,
0.3082


■ 16.4480, 0.3266,
0.5529


■ 23.7328, 0.3052,
0.2886

 16.1635, 0.3230,
0.5712

 24.9823, 0.3015,
0.2712

 15.9441, 0.3191,
0.5849

 26.3381, 0.2980,
0.2559

 27.8026, 0.2947,
0.2423

 29.3784, 0.2917,
0.2303

Harmonies

Analogous

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



18.9844, 0.3684, 0.4119



18.9844, 0.3239, 0.4099



18.9844, 0.2784, 0.3803

Triad

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



18.9844, 0.3239, 0.4099



18.9844, 0.2317, 0.2630



18.9844, 0.3855, 0.3179

Complementary

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



18.9844, 0.3239, 0.4099



12.3541, 0.2972, 0.2524

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.



18.9844, 0.3439, 0.2846



18.9844, 0.3239, 0.4099



18.9844, 0.2557, 0.2534

Square

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



18.9844, 0.3239, 0.4099



18.9844, 0.2275, 0.2912



18.9844, 0.2959, 0.2616



18.9844, 0.4062, 0.3555

Rectangle

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



18.9844, 0.3239, 0.4099



18.9844, 0.2535, 0.3504



18.9844, 0.2959, 0.2616



18.9844, 0.3734, 0.3060

Sweetspot

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



18.9852, 0.3239, 0.4099



36.4580, 0.3163, 0.3512



17.5749, 0.3631, 0.3790



8.4890, 0.3168, 0.3544



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.



18.9852, 0.3239, 0.4099



32.5363, 0.3260, 0.4322



18.4001, 0.3022, 0.3991



4.8828, 0.3163, 0.3509



15.8091, 0.3191, 0.5848



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3541, 0.2972, 0.2524



18.7816, 0.2923, 0.2327



13.1306, 0.3255, 0.2678



4.3430, 0.3089, 0.3074



3.4809, 0.2409, 0.1101



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9844, 0.3239, 0.4099 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 18.9844, 0.3239, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

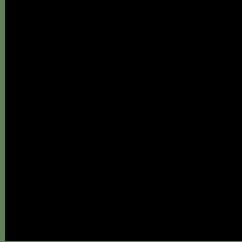
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9844, 0.3239, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 18.9844, 0.3239, 0.4099.



This preview shows how white text looks on a background with the Yxy color 18.9844, 0.3239, 0.4099.

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

18.9844, 0.3239, 0.4099

Protanopia

18.8507, 0.3670, 0.3930

Deuteranopia

18.6969, 0.3774, 0.3704



Tritanopia

18.8362, 0.2866, 0.3097

Trichromacy



Original Color

18.9844, 0.3239, 0.4099

Protanomaly

18.8471, 0.3508, 0.3995

Deuteranomaly

18.7003, 0.3568, 0.3844

Tritanomaly

18.7404, 0.3001, 0.3450

Monochromacy



Original Color

18.9844, 0.3239, 0.4099

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8531, 0.3177, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9844, 0.3239, 0.4099 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(102, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(102, 128, 89)  
}
```

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(102, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 128, 89) }
```

Border

The CSS property to change the border of an element to Yxy 18.9844, 0.3239, 0.4099 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(102, 128, 89) }
```

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

```
.border{ border-color:rgb(102, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(102, 128,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9844, 0.3239, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 128, 89) }
```

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

```
.background{ background-color: rgb(102,  
128, 89) }
```

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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