

Converting Colors

$Y_{xy}(19.4062, 0.3165, 0.4067)$

Have a look what the booklet for
Yxy(19.4062, 0.3165, 0.4067)
contains.

Yxy(19.4082, 0.3159, 0.4059)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.4082, 0.3159, 0.4059)$

Conversions

Conversions Part 1

Format	Color
Hex	63825D
RGB	99, 130, 93
RGB Percent	39%, 51%, 36%
CMY	0.6117, 0.4902, 0.6354
CMYK	0.24, 0.00, 0.28, 0.49
HSL	110°, 17%, 44%
HSV	110°, 28%, 51%
XYZ	15.1048, 19.4082, 13.3022
YIQ	116.5130, -6.5990, -18.0790

Conversions

Conversions Part 2

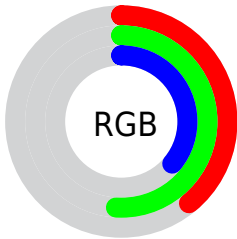
Format	Color
R_{YB}	93, 130, 124
Decimal	6521437
CIE _{Lab}	51.16, -18.66, 16.56
CIE _{LCh}	51, 24.945, 138.418
Yxy	19.4082, 0.3159, 0.4059
Android (android.graphics.Color)	4284711517 (0xFF63825D)
YUV	116.5130, -11.5919, -15.3589
Hunter-Lab	44.0547, -15.8944, 12.9359

Details

The Yxy color $19.4082, 0.3159, 0.4059$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.7204, 0.3073, 0.2595$, and the grayscale version is $17.6698, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.3646, 0.3150, 0.3864$, and $6.6464, 0.3141, 0.4397$ is the 20% darker color. If you saturate the color by 10%, you get $18.6257, 0.3164, 0.4376$, and if you desaturate by 10%, it is $20.3141, 0.3150, 0.3764$.

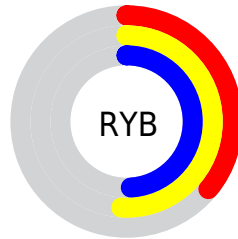
Distribution



Red (39%)

Green (51%)

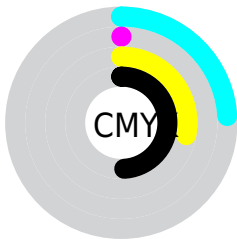
Blue (36%)



Red (36%)

Yellow (51%)

Blue (49%)

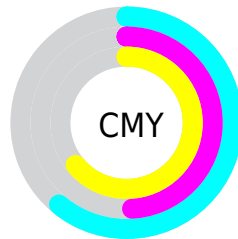


Cyan (24%)

Magenta (0%)

Yellow (28%)

Black (49%)



Cyan (61%)


Magenta (49%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4082, 0.3159, 0.4059 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 19.4082, 0.3159, 0.4059 by changing the saturation by 10% instead.


 19.4082, 0.3159,
0.4059


 19.4082, 0.3159,
0.4059


248.6931, 0.3150,
0.3603


 11.9656, 0.3156,
0.4206


 42.4227, 0.3158,
0.3872


 6.7203, 0.3148,
0.4421


 58.7635, 0.3157,
0.3808

 3.2878, 0.3122,
0.4763

 78.8390, 0.3156,
0.3757

 1.2838, 0.3282,
0.5860

 103.0338, 0.3154,
0.3716

 0.1286, 0.0000,
1.0000

131.7322, 0.3153,
0.3681

 0.0000, 0.0000,
0.0000

165.3186, 0.3152,

0.3651

204.1774, 0.3151,
0.3625

■ 19.4082, 0.3159,
0.4059

■ 19.4082, 0.3159,
0.4059

■ 18.6257, 0.3164,
0.4376

■ 20.3141, 0.3150,
0.3764

■ 17.9588, 0.3164,
0.4705

■ 21.3460, 0.3138,
0.3495

■ 17.4028, 0.3157,
0.5030

■ 22.5091, 0.3125,
0.3255

■ 16.9515, 0.3142,
0.5334

■ 23.8081, 0.3111,
0.3043

■ 16.5982, 0.3120,
0.5594

■ 25.2471, 0.3097,
0.2856

■ 16.3353, 0.3092,
0.5793

■ 26.8300, 0.3082,
0.2693

■ 16.1501, 0.3064,
0.5931

■ 28.5609, 0.3069,
0.2551

■ 16.1268, 0.3061,
0.5951

■ 30.4434, 0.3055,
0.2427

■ 32.4811, 0.3043,
0.2319

Harmonies

Analogous

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



19.4082, 0.3611, 0.4127



19.4082, 0.3159, 0.4059



19.4082, 0.2719, 0.3727

Triad

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



19.4082, 0.3159, 0.4059



19.4082, 0.2351, 0.2607



19.4082, 0.3901, 0.3242

Complementary

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



19.4082, 0.3159, 0.4059



13.7204, 0.3073, 0.2595

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.



19.4082, 0.3515, 0.2900



19.4082, 0.3159, 0.4059



19.4082, 0.2620, 0.2543

Square

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



19.4082, 0.3159, 0.4059



19.4082, 0.2275, 0.2856



19.4082, 0.3039, 0.2651



19.4082, 0.4061, 0.3616

Rectangle

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



19.4082, 0.3159, 0.4059



19.4082, 0.2489, 0.3422



19.4082, 0.3039, 0.2651



19.4082, 0.3792, 0.3121

Sweetspot

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



19.4090, 0.3159, 0.4059



37.4514, 0.3139, 0.3514



19.9089, 0.3566, 0.3866



8.4235, 0.3141, 0.3546



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.



19.4090, 0.3159, 0.4059



33.2876, 0.3163, 0.4257



19.3183, 0.2967, 0.3805



4.8498, 0.3139, 0.3511



15.4653, 0.3062, 0.5951



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.7204, 0.3073, 0.2595



21.5925, 0.3056, 0.2437



13.8719, 0.3334, 0.2826



4.3781, 0.3113, 0.3076



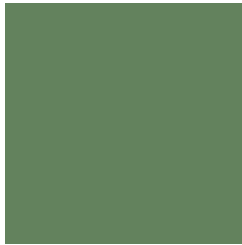
4.6538, 0.2813, 0.1323



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.4082, 0.3159, 0.4059 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 19.4082, 0.3159, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

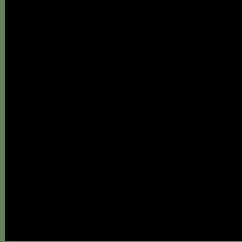
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4082, 0.3159, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 19.4082, 0.3159, 0.4059.



This preview shows how white text looks on a background with the Yxy color 19.4082, 0.3159, 0.4059.

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

19.4082, 0.3159, 0.4059

Protanopia

19.1418, 0.3628, 0.3891

Deuteranopia

19.3179, 0.3724, 0.3665



Tritanopia

19.4807, 0.2807, 0.3098

Trichromacy



Original Color

19.4082, 0.3159, 0.4059

Protanomaly

19.0754, 0.3456, 0.3956

Deuteranomaly

19.1809, 0.3497, 0.3805

Tritanomaly

19.4184, 0.2926, 0.3429

Monochromacy



Original Color

19.4082, 0.3159, 0.4059

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.3168, 0.3138, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4082, 0.3159, 0.4059 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(99, 130, 93)` looks like.

```
.text, #text, p{  
    color:rgb(99, 130, 93)  
}
```

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(99, 130, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 130, 93) }
```

Border

The CSS property to change the border of an element to Yxy 19.4082, 0.3159, 0.4059 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(99, 130, 93) }
```

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

```
.border{ border-color:rgb(99, 130, 93) }
```

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

Here you see how a box with a 4 pixel rgb(99, 130, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 130, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 130, 93);  
box-shadow:4px 4px 4px 4px rgb(99, 130,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4082, 0.3159, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 130, 93) }
```

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

```
.background{ background-color: rgb(99, 130,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor