

Converting Colors

$Y_{xy}(19.0686, 0.3281, 0.4074)$

Have a look what the booklet for
Yxy(19.0686, 0.3281, 0.4074)
contains.

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Color

Yxy(18.9642, 0.3291, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	6A7F59
RGB	106, 127, 89
RGB Percent	42%, 50%, 35%
CMY	0.5842, 0.5020, 0.6510
CMYK	0.17, 0.00, 0.30, 0.50
HSL	93°, 18%, 42%
HSV	93°, 30%, 50%
XYZ	15.3382, 18.9642, 12.3041
YIQ	116.3890, -0.3180, -16.2700

Conversions

Conversions Part 2

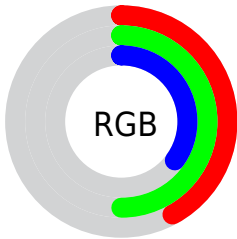
Format	Color
R_{YB}	89, 127, 110
Decimal	6979417
CIE _{Lab}	50.65, -15.05, 18.21
CIE _{LCh}	51, 23.625, 129.563
Yxy	18.9642, 0.3291, 0.4069
Android (android.graphics.Color)	4285169497 (0xFF6A7F59)
YUV	116.3890, -13.5028, -9.1112
Hunter-Lab	43.5479, -13.3385, 13.7316

Details

The Yxy color **18.9642, 0.3291, 0.4069** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.9919, 0.2913, 0.2525**, and the grayscale version is **17.6346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7757, 0.3263, 0.3886**, and **6.5227, 0.3334, 0.4433** is the 20% darker color. If you saturate the color by 10%, you get **18.3574, 0.3337, 0.4360**, and if you desaturate by 10%, it is **19.6446, 0.3239, 0.3790**.

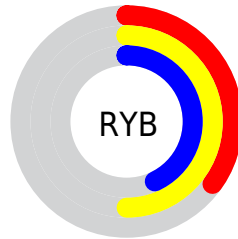
Distribution



Red (42%)

Green (50%)

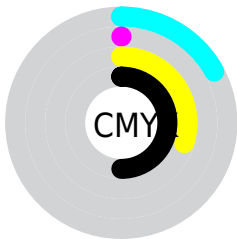
Blue (35%)



Red (35%)

Yellow (50%)

Blue (43%)

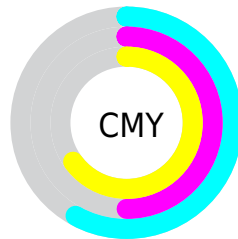


Cyan (17%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (58%)

Magenta (50%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9642, 0.3291, 0.4069 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 18.9642, 0.3291, 0.4069 by changing the saturation by 10% instead.


 18.9642, 0.3291,
0.4069


 18.9642, 0.3291,
0.4069


246.2511, 0.3205,
0.3608

 11.6444, 0.3312,
0.4217


 41.6736, 0.3260,
0.3880

 6.5020, 0.3335,
0.4431


 57.8320, 0.3248,
0.3816


 3.1527, 0.3358,
0.4770

 77.7054, 0.3238,
0.3764

 1.2120, 0.3812,
0.6138

 101.6782, 0.3230,
0.3722

 0.0714, 0.0000,
1.0000

 130.1347, 0.3222,
0.3687

 0.0000, 0.0000,
0.0000

163.4595, 0.3216,

0.3657

202.0368, 0.3210,
0.3631

■ 18.9642, 0.3291,
0.4069

■ 18.9642, 0.3291,
0.4069

■ 18.3574, 0.3337,
0.4360

■ 19.6446, 0.3239,
0.3790

■ 17.8190, 0.3374,
0.4654

■ 20.3987, 0.3183,
0.3529

■ 17.3469, 0.3397,
0.4940

■ 21.2298, 0.3127,
0.3288

■ 16.9380, 0.3404,
0.5203

■ 22.1401, 0.3071,
0.3069

■ 16.5886, 0.3392,
0.5429

■ 23.1318, 0.3017,
0.2872

■ 16.2950, 0.3361,
0.5605

■ 24.2071, 0.2965,
0.2696

■ 16.0464, 0.3320,
0.5745

■ 25.3680, 0.2917,
0.2538

■ 16.0444, 0.3320,
0.5746

■ 26.6165, 0.2871,
0.2398

■ 27.9543, 0.2829,
0.2273

Harmonies

Analogous

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



18.9642, 0.3702, 0.4059



18.9642, 0.3291, 0.4069



18.9642, 0.2854, 0.3820

Triad

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



18.9642, 0.3291, 0.4069



18.9642, 0.2342, 0.2690



18.9642, 0.3774, 0.3143

Complementary

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



18.9642, 0.3291, 0.4069



11.9919, 0.2913, 0.2525

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.



18.9642, 0.3366, 0.2834



18.9642, 0.3291, 0.4069



18.9642, 0.2549, 0.2574

Square

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



18.9642, 0.3291, 0.4069



18.9642, 0.2327, 0.2980



18.9642, 0.2915, 0.2631



18.9642, 0.4000, 0.3499

Rectangle

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



18.9642, 0.3291, 0.4069



18.9642, 0.2607, 0.3548



18.9642, 0.2915, 0.2631



18.9642, 0.3652, 0.3031

Sweetspot

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



18.9650, 0.3291, 0.4069



36.6303, 0.3179, 0.3511



16.3639, 0.3643, 0.3698



8.5344, 0.3186, 0.3543



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.



18.9650, 0.3291, 0.4069



33.1943, 0.3324, 0.4270



18.0561, 0.3069, 0.4076



4.9057, 0.3179, 0.3508



16.1809, 0.3319, 0.5746



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9919, 0.2913, 0.2525



18.5600, 0.2849, 0.2332



13.1407, 0.3187, 0.2612



4.3196, 0.3072, 0.3073



2.8625, 0.2158, 0.0962



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9642, 0.3291, 0.4069 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 18.9642, 0.3291, 0.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

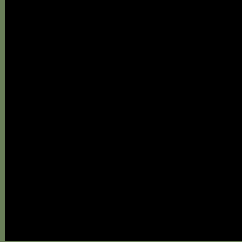
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9642, 0.3291, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 18.9642, 0.3291, 0.4069.



This preview shows how white text looks on a background with the Yxy color 18.9642, 0.3291, 0.4069.

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

18.9642, 0.3291, 0.4069

Protanopia

18.8507, 0.3670, 0.3930

Deuteranopia

18.6795, 0.3787, 0.3722



Tritanopia

19.0025, 0.2910, 0.3118

Trichromacy



Original Color

18.9642, 0.3291, 0.4069

Protanomaly

18.9190, 0.3521, 0.3992

Deuteranomaly

18.5210, 0.3598, 0.3843

Tritanomaly

18.9913, 0.3048, 0.3448

Monochromacy



Original Color

18.9642, 0.3291, 0.4069

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.9183, 0.3189, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9642, 0.3291, 0.4069 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(106, 127, 89)` looks like.

```
.text, #text, p{  
    color:rgb(106, 127, 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(106, 127, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 127, 89) }
```

Border

The CSS property to change the border of an element to Yxy 18.9642, 0.3291, 0.4069 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(106, 127, 89) }
```

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

```
.border{ border-color:rgb(106, 127, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 127, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 127, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 127, 89);  
box-shadow:4px 4px 4px 4px rgb(106, 127,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9642, 0.3291, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 127, 89) }
```

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

```
.background{ background-color: rgb(106,  
127, 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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