

Converting Colors

$Yxy(30.9586, 0.3022, 0.4379)$

Have a look what the booklet for
Yxy(30.9586, 0.3022, 0.4379)
contains.

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Color

Yxy(30.9657, 0.3019, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	63A66A
RGB	99, 166, 106
RGB Percent	39%, 65%, 42%
CMY	0.6117, 0.3490, 0.5844
CMYK	0.40, 0.00, 0.36, 0.35
HSL	126°, 27%, 52%
HSV	126°, 40%, 65%
XYZ	21.3828, 30.9657, 18.4788
YIQ	139.1270, -20.6720, -32.8640

Conversions

Conversions Part 2

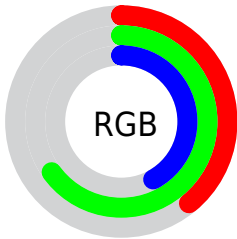
Format	Color
RYB	99, 160, 166
Decimal	6530666
CIELab	62.48, -34.17, 24.58
CIElCh	62, 42.093, 144.276
Yxy	30.9657, 0.3019, 0.4372
Android (android.graphics.Color)	4284720746 (0xFF63A66A)
YUV	139.1270, -16.3316, -35.1914
Hunter-Lab	55.6468, -28.7918, 19.2641

Details

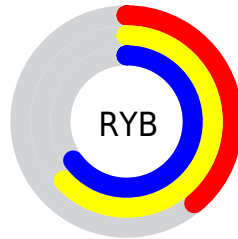
The Yxy color **30.9657, 0.3019, 0.4372** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.5367, 0.3258, 0.2407**, and the grayscale version is **25.9406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4835, 0.3054, 0.4134**, and **12.6966, 0.2938, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **29.8431, 0.2996, 0.4695**, and if you desaturate by 10%, it is **32.3368, 0.3045, 0.4064**.

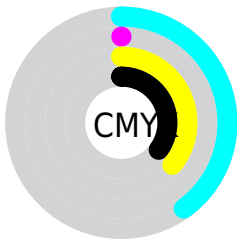
Distribution



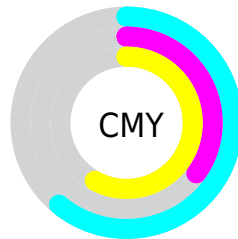
- Red (39%)
- Green (65%)
- Blue (42%)



- Red (39%)
- Yellow (63%)
- Blue (65%)



- Cyan (40%)
- Magenta (0%)
- Yellow (36%)
- Black (35%)




- Cyan (61%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9657, 0.3019, 0.4372 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 30.9657, 0.3019, 0.4372 by changing the saturation by 10% instead.


 30.9657, 0.3019,
0.4372


 30.9657, 0.3019,
0.4372


306.3803, 0.3095,
0.3763

 20.5727, 0.2990,
0.4550


 61.1861, 0.3053,
0.4132


 12.8120, 0.2945,
0.4797


 81.7823, 0.3064,
0.4048

 7.2992, 0.2868,
0.5156


 106.5483, 0.3072,
0.3979

 3.6499, 0.2722,
0.5723

 135.8686, 0.3079,
0.3921

 1.4797, 0.2445,
0.7555

170.1276, 0.3084,
0.3872

 0.2744, 0.0000,
1.0000


209.7096, 0.3088,


 0.0000, 0.0000,


0.3831

0.0000


254.9990, 0.3092,
0.3794


 30.9657, 0.3019,
0.4372


 30.9657, 0.3019,
0.4372

 29.8431, 0.2996,
0.4695

 32.3368, 0.3045,
0.4064


 28.9504, 0.2978,
0.5018


 33.9658, 0.3072,
0.3780


 28.2727, 0.2967,
0.5321


 35.8666, 0.3100,
0.3524


 27.7918, 0.2965,
0.5584


 38.0508, 0.3126,
0.3298


 27.4862, 0.2970,
0.5787

 40.5293, 0.3151,
0.3100

 27.3152, 0.2978,
0.5919

 43.3125, 0.3175,
0.2928

 46.4103, 0.3196,
0.2780

 49.8321, 0.3216,
0.2652

 53.5870, 0.3235,
0.2542

Harmonies

Analogous

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



30.9657, 0.3670, 0.4520



30.9657, 0.3019, 0.4372



30.9657, 0.2431, 0.3802

Triad

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



30.9657, 0.3019, 0.4372



30.9657, 0.2099, 0.2293



30.9657, 0.4324, 0.3296

Complementary

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



30.9657, 0.3019, 0.4372



19.5367, 0.3258, 0.2407

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.



30.9657, 0.3808, 0.2823



30.9657, 0.3019, 0.4372



30.9657, 0.2505, 0.2269

Square

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



30.9657, 0.3019, 0.4372



30.9657, 0.1945, 0.2566



30.9657, 0.3121, 0.2460



30.9657, 0.4464, 0.3806

Rectangle

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



30.9657, 0.3019, 0.4372



30.9657, 0.2151, 0.3327



30.9657, 0.3121, 0.2460



30.9657, 0.4187, 0.3130

Sweetspot

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



30.9670, 0.3019, 0.4372



64.4098, 0.3095, 0.3569



35.5769, 0.3649, 0.4291



14.3146, 0.3091, 0.3600



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9670, 0.3019, 0.4372



54.4319, 0.2999, 0.4647



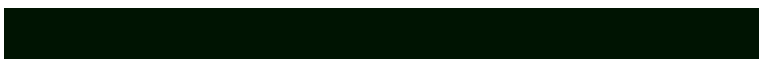
31.7970, 0.2771, 0.3756



8.4200, 0.3103, 0.3498



21.1841, 0.2975, 0.5911



0.5192, 0.2876, 0.5552

Inverse Universe

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



19.5367, 0.3258, 0.2407



30.9117, 0.3292, 0.2234



18.5337, 0.3714, 0.2875



7.6530, 0.3153, 0.3090



7.9666, 0.3485, 0.1693



0.1975, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 30.9657, 0.3019, 0.4372 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.9657, 0.3019, 0.4372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

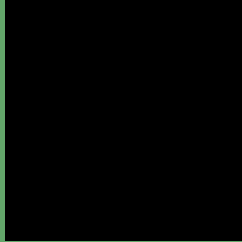
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9657, 0.3019, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 30.9657, 0.3019, 0.4372.



This preview shows how white text looks on a background with the Yxy color 30.9657, 0.3019, 0.4372.

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

30.9657, 0.3019, 0.4372

Protanopia

30.5193, 0.3760, 0.4054

Deuteranopia

30.5592, 0.3850, 0.3770



Tritanopia

30.8387, 0.2621, 0.3078

Trichromacy



Original Color

30.9657, 0.3019, 0.4372

Protanomaly

30.3117, 0.3462, 0.4180

Deuteranomaly

29.9502, 0.3509, 0.3983

Tritanomaly

30.7221, 0.2765, 0.3529

Monochromacy



Original Color

30.9657, 0.3019, 0.4372

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.3123, 0.3079, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9657, 0.3019, 0.4372 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, 166, 106)` looks like.

```
.text, #text, p{  
    color:rgb(99, 166, 106)  
}
```

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, 166, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 166, 106) }
```

Border

The CSS property to change the border of an element to Yxy 30.9657, 0.3019, 0.4372 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, 166, 106) }
```

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

```
.border{ border-color:rgb(99, 166, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 166, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 166, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 166, 106);  
box-shadow:4px 4px 4px 4px rgb(99, 166,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9657, 0.3019, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 166, 106) }
```

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

```
.background{ background-color: rgb(99, 166,  
106) }
```

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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