

Converting Colors

$Y_{xy}(29.6670, 0.3131, 0.4343)$

Have a look what the booklet for
Yxy(29.6670, 0.3131, 0.4343)
contains.

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Color

Yxy(29.6372, 0.3130, 0.4350)

Conversions

Conversions Part 1

Format	Color
Hex	6CA166
RGB	108, 161, 102
RGB Percent	42%, 63%, 40%
CMY	0.5766, 0.3686, 0.6000
CMYK	0.33, 0.00, 0.37, 0.37
HSL	114°, 24%, 52%
HSV	114°, 37%, 63%
XYZ	21.3252, 29.6372, 17.1691
YIQ	138.4270, -12.6490, -29.5850

Conversions

Conversions Part 2

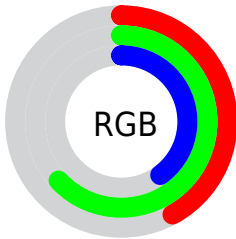
Format	Color
RYB	102, 161, 155
Decimal	7119206
CIELab	61.34, -29.54, 25.29
CIELCh	61, 38.888, 139.426
Yxy	29.6372, 0.3130, 0.4350
Android (android.graphics.Color)	4285309286 (0xFF6CA166)
YUV	138.4270, -17.9585, -26.6845
Hunter-Lab	54.4401, -25.3484, 19.4093

Details

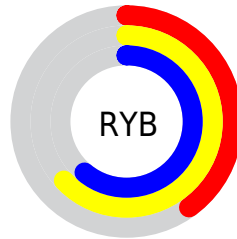
The Yxy color **29.6372, 0.3130, 0.4350** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.0514, 0.3094, 0.2386**, and the grayscale version is **25.6596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0219, 0.3138, 0.4107**, and **12.0735, 0.3091, 0.4771** is the 20% darker color. If you saturate the color by 10%, you get **28.5162, 0.3123, 0.4691**, and if you desaturate by 10%, it is **30.9734, 0.3133, 0.4024**.

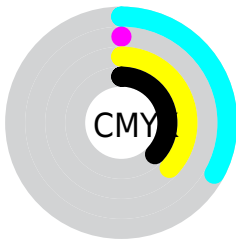
Distribution



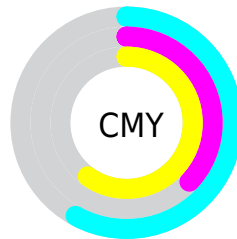
- Red (42%)
- Green (63%)
- Blue (40%)



- Red (40%)
- Yellow (63%)
- Blue (61%)



- Cyan (33%)
- Magenta (0%)
- Yellow (37%)
- Black (37%)





- Cyan (58%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6372, 0.3130, 0.4350 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 29.6372, 0.3130, 0.4350 by changing the saturation by 10% instead.


 29.6372, 0.3130,
0.4350


 29.6372, 0.3130,
0.4350


300.2097, 0.3146,
0.3752

 19.5634, 0.3117,
0.4525


 59.0880, 0.3141,
0.4114

 12.0781, 0.3093,
0.4768


 79.2337, 0.3144,
0.4032

 6.7969, 0.3045,
0.5122


 103.5055, 0.3145,
0.3964

 3.3354, 0.2942,
0.5687

 132.2878, 0.3146,
0.3907

 1.3092, 0.2650,
0.7350

165.9650, 0.3146,
0.3859

 0.1483, 0.0000,
1.0000

204.9214, 0.3146,

 0.0000, 0.0000,

0.3819

0.0000

249.5415, 0.3146,
0.3783

■ 29.6372, 0.3130,
0.4350

■ 29.6372, 0.3130,
0.4350

■ 28.5162, 0.3123,
0.4691

■ 30.9734, 0.3133,
0.4024

■ 27.5956, 0.3112,
0.5030

■ 32.5313, 0.3132,
0.3724

■ 26.8647, 0.3096,
0.5347

■ 34.3217, 0.3130,
0.3453


■ 26.3100, 0.3076,
0.5617


■ 36.3536, 0.3126,
0.3213


■ 25.9166, 0.3054,
0.5819


■ 38.6356, 0.3120,
0.3003

 25.6653, 0.3032,
0.5945

 41.1758, 0.3114,
0.2820

 25.6051, 0.3027,
0.5978

 43.9819, 0.3108,
0.2662

 47.0613, 0.3102,
0.2525

 50.4212, 0.3096,
0.2406

Harmonies

Analogous

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



29.6372, 0.3737, 0.4427



29.6372, 0.3130, 0.4350



29.6372, 0.2554, 0.3872

Triad

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



29.6372, 0.3130, 0.4350



29.6372, 0.2116, 0.2375



29.6372, 0.4191, 0.3224

Complementary

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



29.6372, 0.3130, 0.4350



19.0514, 0.3094, 0.2386

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.



29.6372, 0.3667, 0.2786



29.6372, 0.3130, 0.4350



29.6372, 0.2465, 0.2314

Square

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



29.6372, 0.3130, 0.4350



29.6372, 0.2009, 0.2678



29.6372, 0.3020, 0.2463



29.6372, 0.4388, 0.3707

Rectangle

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



29.6372, 0.3130, 0.4350



29.6372, 0.2263, 0.3435



29.6372, 0.3020, 0.2463



29.6372, 0.4045, 0.3069

Sweetspot

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



29.6385, 0.3130, 0.4350



59.9446, 0.3131, 0.3572



31.6900, 0.3698, 0.4087



13.0588, 0.3132, 0.3606



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.6385, 0.3130, 0.4350



51.4021, 0.3125, 0.4628



29.7891, 0.2899, 0.3942



7.9277, 0.3131, 0.3521



20.4569, 0.3030, 0.5976



0.4394, 0.3160, 0.5873

Inverse Universe

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



19.0514, 0.3094, 0.2386



29.6058, 0.3082, 0.2190



18.9290, 0.3459, 0.2721



7.1657, 0.3122, 0.3067



6.8537, 0.2961, 0.1405



0.1538, 0.3057, 0.1458

Previews

White Background



This preview shows how the Yxy color 29.6372, 0.3130, 0.4350 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 29.6372, 0.3130, 0.4350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

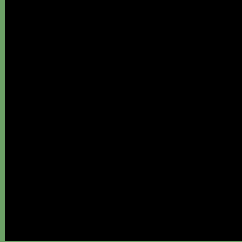
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6372, 0.3130, 0.4350

Background



This preview shows how black text looks on a background with the Yxy color 29.6372, 0.3130, 0.4350.



This preview shows how white text looks on a background with the Yxy color 29.6372, 0.3130, 0.4350.

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

29.6372, 0.3130, 0.4350

Protanopia

29.1855, 0.3782, 0.4082

Deuteranopia

29.2043, 0.3885, 0.3807



Tritanopia

29.4576, 0.2703, 0.3077

Trichromacy



Original Color

29.6372, 0.3130, 0.4350

Protanomaly

29.0010, 0.3524, 0.4186

Deuteranomaly

28.7790, 0.3586, 0.3984

Tritanomaly

29.4049, 0.2857, 0.3512

Monochromacy



Original Color

29.6372, 0.3130, 0.4350

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.5505, 0.3131, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6372, 0.3130, 0.4350 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(108, 161, 102)` looks like.

```
.text, #text, p{  
    color:rgb(108, 161, 102)  
}
```

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(108, 161, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 161, 102) }
```

Border

The CSS property to change the border of an element to Yxy 29.6372, 0.3130, 0.4350 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(108, 161, 102) }
```

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

```
.border{ border-color:rgb(108, 161, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 161, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 161, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 161, 102);  
box-shadow:4px 4px 4px 4px rgb(108, 161,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6372, 0.3130, 0.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 161, 102) }
```

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

```
.background{ background-color: rgb(108,  
161, 102) }
```

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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