

Converting Colors

$Y_{xy}(28.3475, 0.3243, 0.4754)$

Have a look what the booklet for
Yxy(28.3475, 0.3243, 0.4754)
contains.

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Color

Yxy(28.4728, 0.3241, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	65A04F
RGB	101, 160, 79
RGB Percent	40%, 63%, 31%
CMY	0.6041, 0.3725, 0.6902
CMYK	0.37, 0.00, 0.51, 0.37
HSL	104°, 34%, 47%
HSV	104°, 51%, 63%
XYZ	19.3460, 28.4728, 11.8726
YIQ	133.1250, -9.1630, -37.6990

Conversions

Conversions Part 2

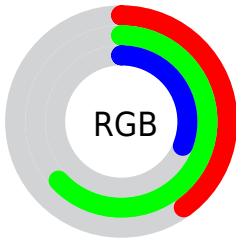
Format	Color
RYB	79, 160, 138
Decimal	6660175
CIELab	60.31, -34.82, 36.03
CIElCh	60, 50.103, 134.025
Yxy	28.4728, 0.3241, 0.4770
Android (android.graphics.Color)	4284850255 (0xFF65A04F)
YUV	133.1250, -26.6836, -28.1736
Hunter-Lab	53.3599, -28.6635, 24.1599

Details

The Yxy color **28.4728, 0.3241, 0.4770** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.5370, 0.2886, 0.1991**, and the grayscale version is **23.6028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1811, 0.3245, 0.4433**, and **11.4718, 0.3205, 0.5357** is the 20% darker color. If you saturate the color by 10%, you get **27.6426, 0.3240, 0.5084**, and if you desaturate by 10%, it is **29.4571, 0.3231, 0.4447**.

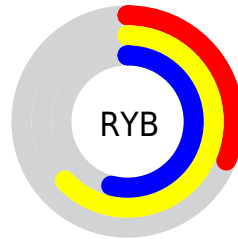
Distribution



Red (40%)

Green (63%)

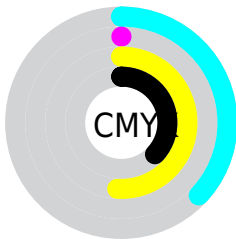
Blue (31%)



Red (31%)

Yellow (63%)

Blue (54%)

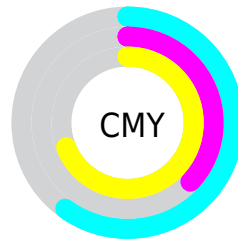


Cyan (37%)

Magenta (0%)

Yellow (51%)

Black (37%)



Cyan (60%)

Magenta (37%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4728, 0.3241, 0.4770 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 28.4728, 0.3241, 0.4770 by changing the saturation by 10% instead.


 28.4728, 0.3241,
0.4770


 28.4728, 0.3241,
0.4770


294.7193, 0.3215,
0.3927


 18.6824, 0.3229,
0.5016


 57.2384, 0.3243,
0.4437


 11.4410, 0.3197,
0.5353


 76.9824, 0.3240,
0.4320

 6.3643, 0.3119,
0.5832


 100.8130, 0.3236,
0.4225

 3.0678, 0.3088,
0.6912

 129.1146, 0.3231,
0.4145

 1.1672, 0.1677,
0.8323

 162.2717, 0.3227,
0.4078

 0.0347, 0.0000,
1.0000

200.6685, 0.3223,

 0.0000, 0.0000,

0.4020

0.0000

244.6896, 0.3219,
0.3971

■ 28.4728, 0.3241,
0.4770

■ 28.4728, 0.3241,
0.4770

■ 27.6426, 0.3240,
0.5084

■ 29.4571, 0.3231,
0.4447

■ 26.9546, 0.3227,
0.5370

■ 30.5992, 0.3212,
0.4130

■ 26.4012, 0.3201,
0.5610

■ 31.9073, 0.3187,
0.3831

■ 25.9724, 0.3163,
0.5786

■ 33.3880, 0.3159,
0.3555

■ 25.6668, 0.3124,
0.5902

■ 35.0473, 0.3129,
0.3305

■ 36.8910, 0.3099,
0.3082

■ 38.9249, 0.3068,
0.2884

■ 41.1541, 0.3039,
0.2710

■ 43.5837, 0.3011,
0.2557

Harmonies

Analogous

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



28.4728, 0.4001, 0.4712



28.4728, 0.3241, 0.4770



28.4728, 0.2492, 0.4216

Triad

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



28.4728, 0.3241, 0.4770



28.4728, 0.1812, 0.2168



28.4728, 0.4420, 0.3075

Complementary

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



28.4728, 0.3241, 0.4770



13.5370, 0.2886, 0.1991

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.



28.4728, 0.3672, 0.2564



28.4728, 0.3241, 0.4770



28.4728, 0.2182, 0.2059

Square

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



28.4728, 0.3241, 0.4770



28.4728, 0.1733, 0.2582



28.4728, 0.2834, 0.2205



28.4728, 0.4753, 0.3661

Rectangle

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



28.4728, 0.3241, 0.4770



28.4728, 0.2102, 0.3626



28.4728, 0.2834, 0.2205



28.4728, 0.4203, 0.2893

Sweetspot

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



28.4740, 0.3241, 0.4770



59.3230, 0.3173, 0.3680



25.9463, 0.4016, 0.4191



12.8950, 0.3178, 0.3735



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.



28.4740, 0.3241, 0.4770



49.9748, 0.3239, 0.5131



27.6617, 0.2931, 0.4521



7.4837, 0.3155, 0.3518



20.0109, 0.3129, 0.5897



0.3770, 0.3415, 0.5670

Inverse Universe

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



13.5370, 0.2886, 0.1991



19.6328, 0.2809, 0.1719



15.0330, 0.3431, 0.2322



6.6641, 0.3096, 0.3067



4.9248, 0.2545, 0.1176



0.1075, 0.2827, 0.1331

Previews

White Background



This preview shows how the Yxy color 28.4728, 0.3241, 0.4770 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 28.4728, 0.3241, 0.4770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

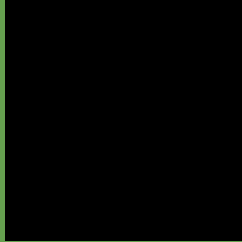
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4728, 0.3241, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 28.4728, 0.3241, 0.4770.



This preview shows how white text looks on a background with the Yxy color 28.4728, 0.3241, 0.4770.

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

28.4728, 0.3241, 0.4770

Protanopia

28.2188, 0.4000, 0.4366

Deuteranopia

28.0629, 0.4138, 0.4055



Tritanopia

28.4224, 0.2690, 0.3089

Trichromacy



Original Color

28.4728, 0.3241, 0.4770

Protanomaly

27.8235, 0.3706, 0.4511

Deuteranomaly

27.5719, 0.3785, 0.4306

Tritanomaly

28.0921, 0.2902, 0.3680

Monochromacy



Original Color

28.4728, 0.3241, 0.4770

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.9021, 0.3186, 0.3835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4728, 0.3241, 0.4770 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(101, 160, 79)` looks like.

```
.text, #text, p{  
    color:rgb(101, 160, 79)  
}
```

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(101, 160, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 160, 79) }
```

Border

The CSS property to change the border of an element to Yxy 28.4728, 0.3241, 0.4770 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(101, 160, 79) }
```

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

```
.border{ border-color:rgb(101, 160, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 160, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 160, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 160, 79);  
box-shadow:4px 4px 4px 4px rgb(101, 160,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4728, 0.3241, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 160, 79) }
```

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

```
.background{ background-color: rgb(101,  
160, 79) }
```

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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