

Converting Colors

$Y_{xy}(28.7235, 0.3154, 0.4419)$

Have a look what the booklet for
Yxy(28.7235, 0.3154, 0.4419)
contains.

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Color

Yxy(28.7235, 0.3154, 0.4419)

Conversions

Conversions Part 1

Format	Color
Hex	6A9F61
RGB	106, 159, 97
RGB Percent	42%, 62%, 38%
CMY	0.5843, 0.3765, 0.6196
CMYK	0.33, 0.00, 0.39, 0.38
HSL	111°, 24%, 50%
HSV	111°, 39%, 62%
XYZ	20.5010, 28.7235, 15.7755
YIQ	136.0850, -11.6860, -30.5180

Conversions

Conversions Part 2

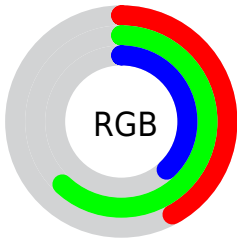
Format	Color
R_{YB}	97, 159, 150
Decimal	6987617
CIE _{Lab}	60.54, -30.04, 26.92
CIE _{LCh}	61, 40.336, 138.141
Yxy	28.7235, 0.3154, 0.4419
Android (android.graphics.Color)	4285177697 (0xFF6A9F61)
YUV	136.0850, -19.2689, -26.3845
Hunter-Lab	53.5943, -25.5099, 20.0640

Details

The Yxy color **28.7235, 0.3154, 0.4419** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.5391, 0.3056, 0.2319**, and the grayscale version is **24.7326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6022, 0.3163, 0.4170**, and **11.5494, 0.3119, 0.4877** is the 20% darker color. If you saturate the color by 10%, you get **27.6893, 0.3151, 0.4756**, and if you desaturate by 10%, it is **29.9516, 0.3152, 0.4093**.

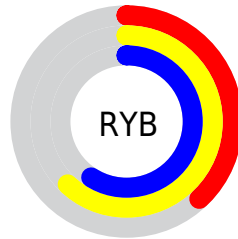
Distribution



Red (42%)

Green (62%)

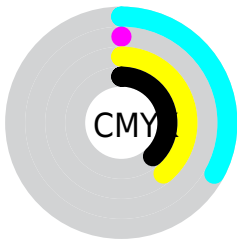
Blue (38%)



Red (38%)

Yellow (62%)

Blue (59%)

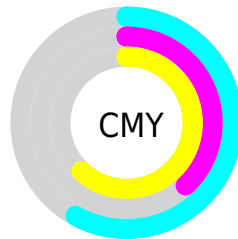


Cyan (33%)

Magenta (0%)

Yellow (39%)

Black (38%)



Cyan (58%)


Magenta (38%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7235, 0.3154, 0.4419 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 28.7235, 0.3154, 0.4419 by changing the saturation by 10% instead.


 28.7235, 0.3154,
0.4419


 28.7235, 0.3154,
0.4419


295.9081, 0.3159,
0.3779


 18.8718, 0.3143,
0.4608


 57.6375, 0.3162,
0.4166


 11.5776, 0.3119,
0.4870


 77.4685, 0.3163,
0.4077

 6.4568, 0.3069,
0.5253


 101.3948, 0.3163,
0.4005

 3.1248, 0.2974,
0.5904

 129.8006, 0.3163,
0.3944

 1.1972, 0.2387,
0.7613

163.0705, 0.3162,
0.3893

 0.0594, 0.0000,
1.0000

201.5888, 0.3161,

 0.0000, 0.0000,

0.3849

0.0000

245.7399, 0.3160,
0.3812

■ 28.7235, 0.3154,
0.4419

■ 28.7235, 0.3154,
0.4419

■ 27.6893, 0.3151,
0.4756

■ 29.9516, 0.3152,
0.4093

■ 26.8356, 0.3141,
0.5088

■ 31.3790, 0.3146,
0.3789

■ 26.1528, 0.3125,
0.5393


■ 33.0154, 0.3137,
0.3513


■ 25.6293, 0.3102,
0.5648


■ 34.8688, 0.3126,
0.3266


■ 25.2517, 0.3074,
0.5834

■ 36.9468, 0.3114,
0.3049


 25.0000, 0.3047,
0.5953

 39.2565, 0.3102,
0.2859

 24.9797, 0.3045,
0.5964

 41.8049, 0.3090,
0.2694

 44.5986, 0.3078,
0.2550

 47.6438, 0.3067,
0.2425

Harmonies

Analogous

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



28.7235, 0.3785, 0.4474



28.7235, 0.3154, 0.4419



28.7235, 0.2548, 0.3930

Triad

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



28.7235, 0.3154, 0.4419



28.7235, 0.2063, 0.2343



28.7235, 0.4225, 0.3197

Complementary

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



28.7235, 0.3154, 0.4419



17.5391, 0.3056, 0.2319

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.



28.7235, 0.3664, 0.2746



28.7235, 0.3154, 0.4419



28.7235, 0.2415, 0.2271

Square

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



28.7235, 0.3154, 0.4419



28.7235, 0.1963, 0.2666



28.7235, 0.2986, 0.2419



28.7235, 0.4447, 0.3698

Rectangle

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



28.7235, 0.3154, 0.4419



28.7235, 0.2240, 0.3470



28.7235, 0.2986, 0.2419



28.7235, 0.4067, 0.3037

Sweetspot

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



28.7247, 0.3154, 0.4419



58.1350, 0.3140, 0.3599



29.9522, 0.3746, 0.4107



13.0257, 0.3141, 0.3632



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.



28.7247, 0.3154, 0.4419



49.7749, 0.3151, 0.4719



28.6635, 0.2903, 0.4031



7.4450, 0.3137, 0.3519



19.7414, 0.3049, 0.5961



0.3645, 0.3236, 0.5813

Inverse Universe

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



17.5391, 0.3056, 0.2319



26.7874, 0.3032, 0.2105



17.7376, 0.3458, 0.2654



6.7058, 0.3115, 0.3068



6.1198, 0.2852, 0.1345



0.1215, 0.3005, 0.1429

Previews

White Background



This preview shows how the Yxy color 28.7235, 0.3154, 0.4419 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 28.7235, 0.3154, 0.4419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

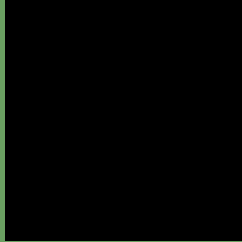
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7235, 0.3154, 0.4419

Background



This preview shows how black text looks on a background with the Yxy color 28.7235, 0.3154, 0.4419.



This preview shows how white text looks on a background with the Yxy color 28.7235, 0.3154, 0.4419.

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

28.7235, 0.3154, 0.4419

Protanopia

28.2926, 0.3810, 0.4121

Deuteranopia

28.3088, 0.3917, 0.3842



Tritanopia

28.6291, 0.2715, 0.3091

Trichromacy



Original Color

28.7235, 0.3154, 0.4419

Protanomaly

28.1098, 0.3547, 0.4230

Deuteranomaly

27.8674, 0.3621, 0.4041

Tritanomaly

28.5527, 0.2879, 0.3550

Monochromacy



Original Color

28.7235, 0.3154, 0.4419

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.7116, 0.3140, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7235, 0.3154, 0.4419 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, 159, 97)` looks like.

```
.text, #text, p{  
    color:rgb(106, 159, 97)  
}
```

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, 159, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 159, 97) }
```

Border

The CSS property to change the border of an element to Yxy 28.7235, 0.3154, 0.4419 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, 159, 97) }
```

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

```
.border{ border-color:rgb(106, 159, 97) }
```

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

Here you see how a box with a 4 pixel rgb(106, 159, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 159, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 159, 97);  
box-shadow:4px 4px 4px 4px rgb(106, 159,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7235, 0.3154, 0.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 159, 97) }
```

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

```
.background{ background-color: rgb(106,  
159, 97) }
```

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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