

Converting Colors

$Y_{xy}(16.3152, 0.3413, 0.4313)$

Have a look what the booklet for
Yxy(16.3152, 0.3413, 0.4313)
contains.

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Color

Yxy(16.3142, 0.3414, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	637748
RGB	99, 119, 72
RGB Percent	39%, 47%, 28%
CMY	0.6117, 0.5333, 0.7177
CMYK	0.17, 0.00, 0.40, 0.53
HSL	85°, 25%, 37%
HSV	85°, 40%, 47%
XYZ	12.9137, 16.3142, 8.5978
YIQ	107.6620, 3.1670, -18.8570

Conversions

Conversions Part 2

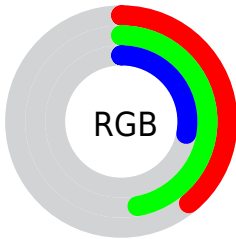
Format	Color
R_{YB}	72, 119, 92
Decimal	6518600
CIE _{Lab}	47.38, -16.16, 23.48
CIE _{LCh}	47, 28.505, 124.544
Yxy	16.3142, 0.3414, 0.4313
Android (android.graphics.Color)	4284708680 (0xFF637748)
YUV	107.6620, -17.5814, -7.5966
Hunter-Lab	40.3908, -13.6143, 15.6529

Details

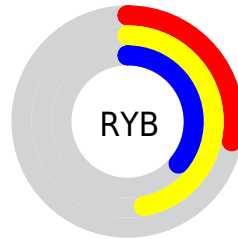
The Yxy color **16.3142, 0.3414, 0.4313** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.2394, 0.2732, 0.2238**, and the grayscale version is **14.9473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0856, 0.3364, 0.4054**, and **5.2894, 0.3481, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **15.8983, 0.3471, 0.4589**, and if you desaturate by 10%, it is **16.7795, 0.3347, 0.4037**.

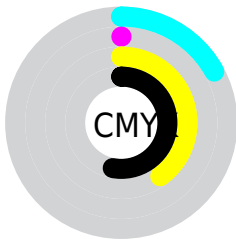
Distribution



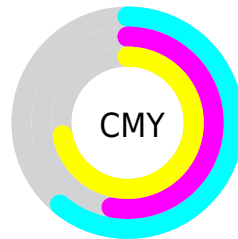
- Red (39%)
- Green (47%)
- Blue (28%)



- Red (28%)
- Yellow (47%)
- Blue (36%)



- Cyan (17%)
- Magenta (0%)
- Yellow (40%)
- Black (53%)





- Cyan (61%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3142, 0.3414, 0.4313 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 16.3142, 0.3414, 0.4313 by changing the saturation by 10% instead.


 16.3142, 0.3414,
0.4313


 16.3142, 0.3414,
0.4313


231.1887, 0.3261,
0.3695

 9.7468, 0.3450,
0.4517


 37.1428, 0.3358,
0.4056


 5.2314, 0.3490,
0.4816

 52.1728, 0.3337,
0.3970


 2.3837, 0.3583,
0.5390

 70.7924, 0.3319,
0.3901

 0.8175, 0.3187,
0.6813

 93.3860, 0.3304,
0.3845

 0.0000, 0.0000,
0.0000

 120.3381, 0.3291,
0.3798

152.0329, 0.3279,

0.3758

188.8550, 0.3269,
0.3724

■ 16.3142, 0.3414,
0.4313

■ 16.3142, 0.3414,
0.4313

■ 15.8983, 0.3471,
0.4589

■ 16.7795, 0.3347,
0.4037

■ 15.5275, 0.3515,
0.4853

■ 17.2938, 0.3274,
0.3769

■ 15.2003, 0.3541,
0.5095


■ 17.8598, 0.3199,
0.3515

■ 14.9143, 0.3546,
0.5303

■ 18.4791, 0.3123,
0.3279

■ 14.6664, 0.3529,
0.5466


■ 19.1534, 0.3050,
0.3061


 14.4480, 0.3499,
0.5598

 19.8841, 0.2979,
0.2862

 14.4376, 0.3498,
0.5605

 20.6727, 0.2912,
0.2683

 21.5207, 0.2849,
0.2521

 22.4293, 0.2790,
0.2376

Harmonies

Analogous

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



16.3142, 0.3915, 0.4222



16.3142, 0.3414, 0.4313



16.3142, 0.2862, 0.4051

Triad

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



16.3142, 0.3414, 0.4313



16.3142, 0.2134, 0.2576



16.3142, 0.3874, 0.3029

Complementary

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



16.3142, 0.3414, 0.4313



8.2394, 0.2732, 0.2238

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.



16.3142, 0.3327, 0.2672



16.3142, 0.3414, 0.4313



16.3142, 0.2346, 0.2408

Square

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



16.3142, 0.3414, 0.4313



16.3142, 0.2152, 0.2965



16.3142, 0.2767, 0.2450



16.3142, 0.4211, 0.3459

Rectangle

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



16.3142, 0.3414, 0.4313



16.3142, 0.2539, 0.3712



16.3142, 0.2767, 0.2450



16.3142, 0.3705, 0.2898

Sweetspot

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



16.3149, 0.3414, 0.4313



31.6893, 0.3220, 0.3585



11.9711, 0.3889, 0.3704



7.4860, 0.3228, 0.3610



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.3149, 0.3414, 0.4313



28.5631, 0.3464, 0.4553



15.1938, 0.3119, 0.4413



4.1924, 0.3195, 0.3504



15.3339, 0.3496, 0.5606



74.2112, 0.3462, 0.5633

Inverse Universe

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



8.2394, 0.2732, 0.2238



12.0312, 0.2619, 0.1983



9.6160, 0.3106, 0.2346



3.6589, 0.3055, 0.3075



2.1456, 0.1921, 0.0832



9.9724, 0.1868, 0.0803

Previews

White Background



This preview shows how the Yxy color 16.3142, 0.3414, 0.4313 looks on a white 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

Black Background



This preview shows how the Yxy color 16.3142, 0.3414, 0.4313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

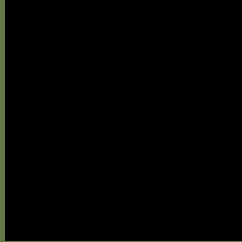
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3142, 0.3414, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 16.3142, 0.3414, 0.4313.



This preview shows how white text looks on a background with the Yxy color 16.3142, 0.3414, 0.4313.

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

16.3142, 0.3414, 0.4313

Protanopia

16.1556, 0.3818, 0.4141

Deuteranopia

16.1743, 0.3971, 0.3888



Tritanopia

16.2796, 0.2932, 0.3108

Trichromacy



Original Color

16.3142, 0.3414, 0.4313

Protanomaly

16.2811, 0.3668, 0.4213

Deuteranomaly

16.0009, 0.3762, 0.4028

Tritanomaly

16.1445, 0.3103, 0.3523

Monochromacy



Original Color

16.3142, 0.3414, 0.4313

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4178, 0.3244, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3142, 0.3414, 0.4313 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, 119, 72)` looks like.

```
.text, #text, p{  
    color:rgb(99, 119, 72)  
}
```

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, 119, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 119, 72) }
```

Border

The CSS property to change the border of an element to Yxy 16.3142, 0.3414, 0.4313 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, 119, 72) }
```

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

```
.border{ border-color:rgb(99, 119, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 119, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 119, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 119, 72);  
box-shadow:4px 4px 4px 4px rgb(99, 119,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3142, 0.3414, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 119, 72) }
```

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

```
.background{ background-color: rgb(99, 119,  
72) }
```

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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