

Converting Colors

$Y_{xy}(13.6400, 0.3151, 0.4140)$

Have a look what the booklet for
Yxy(13.6400, 0.3151, 0.4140)
contains.

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Color

$Y_{xy}(13.6400, 0.3151, 0.4140)$

Conversions

Conversions Part 1

Format	Color
Hex	516F4C
RGB	81, 111, 76
RGB Percent	32%, 44%, 30%
CMY	0.6824, 0.5647, 0.7019
CMYK	0.27, 0.00, 0.32, 0.56
HSL	111°, 19%, 37%
HSV	111°, 32%, 44%
XYZ	10.3816, 13.6400, 8.9253
YIQ	98.0400, -6.6450, -17.2450

Conversions

Conversions Part 2

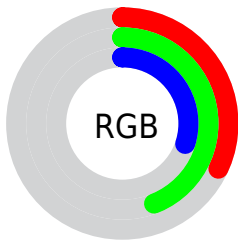
Format	Color
R_{YB}	76, 111, 106
Decimal	5336908
CIE _{Lab}	43.71, -18.37, 16.07
CIE _{LCh}	44, 24.411, 138.820
Yxy	13.6400, 0.3151, 0.4140
Android (android.graphics.Color)	4283526988 (0xFF516F4C)
YUV	98.0400, -10.8657, -14.9441
Hunter-Lab	36.9324, -14.4559, 11.5243

Details

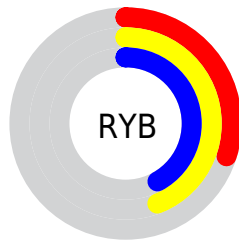
The Yxy color **13.6400, 0.3151, 0.4140** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.3848, 0.3079, 0.2534**, and the grayscale version is **12.2531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5003, 0.3153, 0.3918**, and **4.0113, 0.3140, 0.4634** is the 20% darker color. If you saturate the color by 10%, you get **13.1077, 0.3152, 0.4457**, and if you desaturate by 10%, it is **14.2592, 0.3146, 0.3842**.

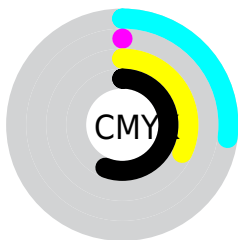
Distribution



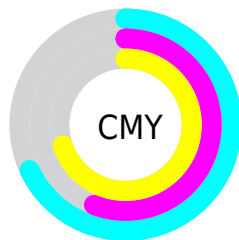
- Red (32%)
- Green (44%)
- Blue (30%)



- Red (30%)
- Yellow (44%)
- Blue (42%)



- Cyan (27%)
- Magenta (0%)
- Yellow (32%)
- Black (56%)




- Cyan (68%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6400, 0.3151, 0.4140 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 13.6400, 0.3151, 0.4140 by changing the saturation by 10% instead.


 13.6400, 0.3151,
0.4140


 13.6400, 0.3151,
0.4140


214.9796, 0.3147,
0.3611


 7.8707, 0.3144,
0.4328


 32.4489, 0.3154,
0.3913


 4.0123, 0.3124,
0.4621

 46.2573, 0.3153,
0.3839


 1.6805, 0.3124,
0.5230

 63.5141, 0.3152,
0.3781

 0.4110, 0.0000,
1.0000

 84.6039, 0.3151,
0.3734

 0.0000, 0.0000,
0.0000

 109.9109, 0.3150,
0.3695

139.8196, 0.3149,

0.3663

174.7144, 0.3148,
0.3635

■ 13.6400, 0.3151,
0.4140

■ 13.6400, 0.3151,
0.4140

■ 13.1077, 0.3152,
0.4457

■ 14.2592, 0.3146,
0.3842

■ 12.6566, 0.3148,
0.4784

■ 14.9670, 0.3138,
0.3570

■ 12.2834, 0.3138,
0.5104


■ 15.7674, 0.3129,
0.3325


■ 11.9834, 0.3122,
0.5397

■ 16.6637, 0.3118,
0.3108


■ 11.7517, 0.3100,
0.5644


■ 17.6587, 0.3107,
0.2917


 11.5829, 0.3074,
0.5827

 18.7556, 0.3096,
0.2750

 11.4781, 0.3058,
0.5954

 19.9569, 0.3084,
0.2603

 21.2655, 0.3074,
0.2476

 22.6838, 0.3063,
0.2365

Harmonies

Analogous

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



13.6400, 0.3648, 0.4213



13.6400, 0.3151, 0.4140



13.6400, 0.2671, 0.3767

Triad

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



13.6400, 0.3151, 0.4140



13.6400, 0.2283, 0.2539



13.6400, 0.3984, 0.3239

Complementary

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



13.6400, 0.3151, 0.4140



9.3848, 0.3079, 0.2534

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.



13.6400, 0.3559, 0.2868



13.6400, 0.3151, 0.4140



13.6400, 0.2576, 0.2476

Square

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



13.6400, 0.3151, 0.4140



13.6400, 0.2197, 0.2805



13.6400, 0.3035, 0.2596



13.6400, 0.4155, 0.3645

Rectangle

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



13.6400, 0.3151, 0.4140



13.6400, 0.2423, 0.3425



13.6400, 0.3035, 0.2596



13.6400, 0.3864, 0.3108

Sweetspot

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



13.6406, 0.3151, 0.4140



27.1100, 0.3136, 0.3511



14.1597, 0.3605, 0.3929



6.4743, 0.3137, 0.3541



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.6406, 0.3151, 0.4140



23.6927, 0.3152, 0.4377



13.6159, 0.2947, 0.3844



3.7839, 0.3136, 0.3505



13.5163, 0.3054, 0.5957



67.0955, 0.3033, 0.5974

Inverse Universe

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



9.3848, 0.3079, 0.2534



14.7483, 0.3062, 0.2352



9.4468, 0.3368, 0.2795



3.4306, 0.3117, 0.3081



4.2257, 0.2866, 0.1352



20.7659, 0.2846, 0.1342

Previews

White Background



This preview shows how the Yxy color 13.6400, 0.3151, 0.4140 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 13.6400, 0.3151, 0.4140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

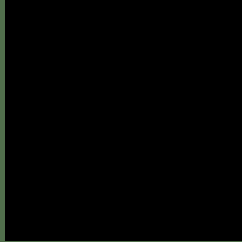
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6400, 0.3151, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 13.6400, 0.3151, 0.4140.



This preview shows how white text looks on a background with the Yxy color 13.6400, 0.3151, 0.4140.

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

13.6400, 0.3151, 0.4140

Protanopia

13.5610, 0.3662, 0.3939

Deuteranopia

13.5531, 0.3759, 0.3703



Tritanopia

13.6206, 0.2783, 0.3089

Trichromacy



Original Color

13.6400, 0.3151, 0.4140

Protanomaly

13.5118, 0.3463, 0.4018

Deuteranomaly

13.3147, 0.3515, 0.3846

Tritanomaly

13.5960, 0.2909, 0.3452

Monochromacy



Original Color

13.6400, 0.3151, 0.4140

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.7140, 0.3141, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6400, 0.3151, 0.4140 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(81, 111, 76)` looks like.

```
.text, #text, p{  
    color:rgb(81, 111, 76)  
}
```

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(81, 111, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 111, 76) }
```

Border

The CSS property to change the border of an element to Yxy 13.6400, 0.3151, 0.4140 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(81, 111, 76) }
```

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

```
.border{ border-color:rgb(81, 111, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 111, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 111, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 111, 76);  
box-shadow:4px 4px 4px 4px rgb(81, 111,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6400, 0.3151, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 111, 76) }
```

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

```
.background{ background-color: rgb(81, 111,  
76) }
```

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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