

Converting Colors

$Y_{xy}(13.8382, 0.3522, 0.3941)$

Have a look what the booklet for
Yxy(13.8382, 0.3522, 0.3941)
contains.

Yxy(13.8940, 0.3527, 0.3951)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8940, 0.3527, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	6A6A4C
RGB	106, 106, 76
RGB Percent	42%, 42%, 30%
CMY	0.5843, 0.5843, 0.7019
CMYK	0.00, 0.00, 0.28, 0.58
HSL	60°, 16%, 36%
HSV	60°, 28%, 42%
XYZ	12.4030, 13.8940, 8.8688
YIQ	102.5800, 9.6300, -9.3300

Conversions

Conversions Part 2

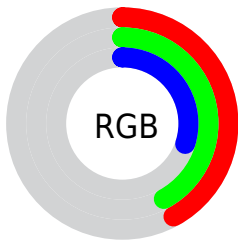
Format	Color
R_{YB}	76, 106, 76
Decimal	6974028
CIE _{Lab}	44.08, -5.36, 16.89
CIE _{LCh}	44, 17.721, 107.600
Yxy	13.8940, 0.3527, 0.3951
Android (android.graphics.Color)	4285164108 (0xFF6A6A4C)
YUV	102.5800, -13.1039, 2.9993
Hunter-Lab	37.2747, -5.8356, 11.9853

Details

The Yxy color **13.8940, 0.3527, 0.3951** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.7494, 0.2668, 0.2531**, and the grayscale version is **13.4809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8637, 0.3436, 0.3782**, and **4.1264, 0.3709, 0.4304** is the 20% darker color. If you saturate the color by 10%, you get **13.7591, 0.3666, 0.4181**, and if you desaturate by 10%, it is **14.0545, 0.3384, 0.3715**.

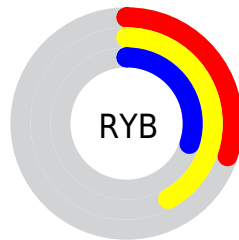
Distribution



Red (42%)

Green (42%)

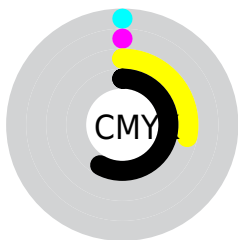
Blue (30%)



Red (30%)

Yellow (42%)

Blue (30%)

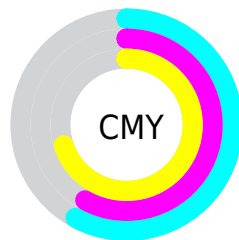


Cyan (0%)

Magenta (0%)

Yellow (28%)

Black (58%)



Cyan (58%)

Magenta (58%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8940, 0.3527, 0.3951 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 13.8940, 0.3527, 0.3951 by changing the saturation by 10% instead.

■ 13.8940, 0.3527,
0.3951

■ 13.8940, 0.3527,
0.3951

■ 216.5704, 0.3292,
0.3551

■ 8.0470, 0.3600,
0.4085

■ 32.9008, 0.3431,
0.3784

■ 4.1250, 0.3704,
0.4284

■ 46.8294, 0.3399,
0.3728

■ 1.7437, 0.3925,
0.4687

■ 64.2207, 0.3372,
0.3683

■ 0.4517, 0.3979,
0.6021

■ 85.4590, 0.3350,
0.3647

■ 0.0000, 0.0000,
0.0000

■ 110.9287, 0.3332,
0.3617

141.0142, 0.3317,

0.3591

176.1000, 0.3303,
0.3570

■ 13.8940, 0.3527,
0.3951

■ 13.8940, 0.3527,
0.3951

■ 13.7591, 0.3666,
0.4181

■ 14.0545, 0.3384,
0.3715

■ 13.6466, 0.3797,
0.4397

■ 14.2397, 0.3242,
0.3480

■ 13.5560, 0.3914,
0.4591

■ 14.4515, 0.3104,
0.3251

■ 13.4858, 0.4014,
0.4756

■ 14.6906, 0.2972,
0.3033

■ 13.4344, 0.4092,
0.4885

■ 14.9581, 0.2848,
0.2828

■ 13.4001, 0.4147,
0.4977

■ 15.2549, 0.2733,
0.2638

■ 13.3765, 0.4186,
0.5041

■ 15.5817, 0.2627,
0.2462

■ 13.3725, 0.4193,
0.5053

■ 15.9395, 0.2530,
0.2302

■ 16.3290, 0.2441,
0.2156

Harmonies

Analogous

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



13.8940, 0.3787, 0.3814



13.8940, 0.3527, 0.3951



13.8940, 0.3169, 0.3895

Triad

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



13.8940, 0.3527, 0.3951



13.8940, 0.2440, 0.2958



13.8940, 0.3427, 0.2970

Complementary

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



13.8940, 0.3527, 0.3951



7.7494, 0.2668, 0.2531

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.



13.8940, 0.3050, 0.2768



13.8940, 0.3527, 0.3951



13.8940, 0.2498, 0.2747

Square

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



13.8940, 0.3527, 0.3951



13.8940, 0.2551, 0.3286



13.8940, 0.2714, 0.2685



13.8940, 0.3733, 0.3250

Rectangle

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



13.8940, 0.3527, 0.3951



13.8940, 0.2925, 0.3744



13.8940, 0.2714, 0.2685



13.8940, 0.3304, 0.2891

Sweetspot

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



13.8946, 0.3527, 0.3951



24.9928, 0.3241, 0.3479



8.7648, 0.3687, 0.3280



5.8450, 0.3258, 0.3506



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



13.8946, 0.3527, 0.3951



24.2219, 0.3620, 0.4105



13.0805, 0.3310, 0.4000



3.5835, 0.3252, 0.3496



16.5952, 0.4193, 0.5053



84.5597, 0.4193, 0.5053

Inverse Universe

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



7.7494, 0.2668, 0.2531



11.5065, 0.2541, 0.2320



8.4114, 0.2898, 0.2578



3.0252, 0.2997, 0.3075



1.2914, 0.1500, 0.0600



6.5804, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 13.8940, 0.3527, 0.3951 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 13.8940, 0.3527, 0.3951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

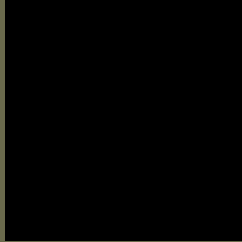
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8940, 0.3527, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 13.8940, 0.3527, 0.3951.



This preview shows how white text looks on a background with the Yxy color 13.8940, 0.3527, 0.3951.

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

13.8940, 0.3527, 0.3951

Protanopia

13.8534, 0.3644, 0.3913

Deuteranopia

13.8611, 0.3814, 0.3758



Tritanopia

13.9435, 0.3135, 0.3123

Trichromacy



Original Color

13.8940, 0.3527, 0.3951

Protanomaly

13.9261, 0.3607, 0.3939

Deuteranomaly

13.8205, 0.3706, 0.3815

Tritanomaly

13.8335, 0.3282, 0.3398

Monochromacy



Original Color

13.8940, 0.3527, 0.3951

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6340, 0.3274, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8940, 0.3527, 0.3951 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, 106, 76)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 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(106, 106, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 76) }
```

Border

The CSS property to change the border of an element to Yxy 13.8940, 0.3527, 0.3951 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, 106, 76) }
```

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

```
.border{ border-color:rgb(106, 106, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 106, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 76);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8940, 0.3527, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 76) }
```

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

```
.background{ background-color: rgb(106,  
106, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor