

Converting Colors

$Y_{xy}(13.9730, 0.3039, 0.4736)$

Have a look what the booklet for
Yxy(13.9730, 0.3039, 0.4736)
contains.

Yxy(13.9786, 0.3048, 0.4745)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9786, 0.3048, 0.4745)

Conversions

Conversions Part 1

Format	Color
Hex	3B753C
RGB	59, 117, 60
RGB Percent	23%, 46%, 24%
CMY	0.7688, 0.5412, 0.7646
CMYK	0.50, 0.00, 0.49, 0.54
HSL	121°, 33%, 35%
HSV	121°, 50%, 46%
XYZ	8.9793, 13.9786, 6.5017
YIQ	93.1600, -16.2710, -30.0230

Conversions

Conversions Part 2

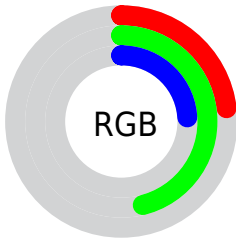
Format	Color
RYB	59, 116, 117
Decimal	3896636
CIELab	44.20, -31.77, 25.62
CIElCh	44, 40.816, 141.112
Yxy	13.9786, 0.3048, 0.4745
Android (android.graphics.Color)	4282086716 (0xFF3B753C)
YUV	93.1600, -16.3479, -29.9583
Hunter-Lab	37.3880, -22.5594, 15.8611

Details

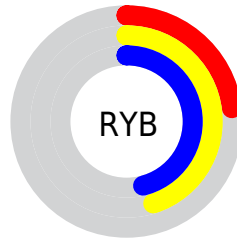
The Yxy color **13.9786, 0.3048, 0.4745** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.1667, 0.3199, 0.2168**, and the grayscale version is **11.0262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1472, 0.3093, 0.4361**, and **4.1752, 0.2894, 0.5578** is the 20% darker color. If you saturate the color by 10%, you get **13.5524, 0.3032, 0.5078**, and if you desaturate by 10%, it is **14.5125, 0.3065, 0.4409**.

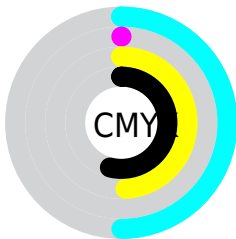
Distribution



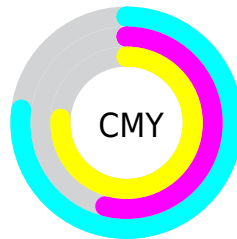
- Red (23%)
- Green (46%)
- Blue (24%)



- Red (23%)
- Yellow (45%)
- Blue (46%)



- Cyan (50%)
- Magenta (0%)
- Yellow (49%)
- Black (54%)





- Cyan (77%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9786, 0.3048, 0.4745 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 13.9786, 0.3048, 0.4745 by changing the saturation by 10% instead.


 13.9786, 0.3048,
0.4745


 13.9786, 0.3048,
0.4745


217.0977, 0.3127,
0.3826


 8.1058, 0.2996,
0.5076


 33.0511, 0.3094,
0.4347


 4.1627, 0.2891,
0.5586

 47.0195, 0.3105,
0.4219

 1.7650, 0.2894,
0.7106

 64.4552, 0.3112,
0.4118

 0.4652, 0.0000,
1.0000

 85.7427, 0.3117,
0.4037

 0.0000, 0.0000,
0.0000

 111.2663, 0.3121,
0.3970

 141.4104, 0.3123,

0.3914

176.5594, 0.3125,
0.3867

■ 13.9786, 0.3048,
0.4745

■ 13.9786, 0.3048,
0.4745

■ 13.5524, 0.3032,
0.5078

■ 14.5125, 0.3065,
0.4409

■ 13.2251, 0.3018,
0.5387

■ 15.1588, 0.3082,
0.4086

■ 12.9891, 0.3007,
0.5648

■ 15.9241, 0.3099,
0.3788


■ 12.8352, 0.3001,
0.5840

■ 16.8140, 0.3114,
0.3519


■ 12.7326, 0.2995,
0.5975

■ 17.8337, 0.3128,
0.3281

 12.7286, 0.2995,
0.5980

 18.9881, 0.3140,
0.3073

 20.2818, 0.3151,
0.2893

 21.7193, 0.3161,
0.2737

 23.3048, 0.3169,
0.2603

Harmonies

Analogous

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



13.9786, 0.3847, 0.4821



13.9786, 0.3048, 0.4745



13.9786, 0.2314, 0.4041

Triad

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



13.9786, 0.3048, 0.4745



13.9786, 0.1840, 0.2084



13.9786, 0.4591, 0.3203

Complementary

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



13.9786, 0.3048, 0.4745



8.1667, 0.3199, 0.2168

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.



13.9786, 0.3893, 0.2656



13.9786, 0.3048, 0.4745



13.9786, 0.2288, 0.2040

Square

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



13.9786, 0.3048, 0.4745



13.9786, 0.1688, 0.2426



13.9786, 0.3017, 0.2245



13.9786, 0.4804, 0.3810

Rectangle

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



13.9786, 0.3048, 0.4745



13.9786, 0.1961, 0.3412



13.9786, 0.3017, 0.2245



13.9786, 0.4402, 0.3011

Sweetspot

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



13.9792, 0.3048, 0.4745



29.1565, 0.3105, 0.3671



16.7551, 0.3806, 0.4442



6.6446, 0.3103, 0.3716



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.9792, 0.3048, 0.4745



24.1382, 0.3029, 0.5141



14.3733, 0.2766, 0.3989



4.0992, 0.3115, 0.3505



14.0224, 0.2995, 0.5981



68.3190, 0.2998, 0.5992

Inverse Universe

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



8.1667, 0.3199, 0.2168



12.3766, 0.3215, 0.1948



7.5952, 0.3774, 0.2699



3.7569, 0.3139, 0.3084



5.5275, 0.3253, 0.1566



26.9215, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 13.9786, 0.3048, 0.4745 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 13.9786, 0.3048, 0.4745 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 13.9786, 0.3048, 0.4745

Background



This preview shows how black text looks on a background with the Yxy color 13.9786, 0.3048, 0.4745.



This preview shows how white text looks on a background with the Yxy color 13.9786, 0.3048, 0.4745.

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

13.9786, 0.3048, 0.4745

Protanopia

13.8213, 0.3954, 0.4300

Deuteranopia

13.7295, 0.4057, 0.3981



Tritanopia

13.8615, 0.2575, 0.3083

Trichromacy



Original Color

13.9786, 0.3048, 0.4745

Protanomaly

13.6656, 0.3580, 0.4477

Deuteranomaly

13.4917, 0.3635, 0.4253

Tritanomaly

13.8854, 0.2744, 0.3654

Monochromacy



Original Color

13.9786, 0.3048, 0.4745

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.8462, 0.3102, 0.3816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9786, 0.3048, 0.4745 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(59, 117, 60)` looks like.

```
.text, #text, p{  
    color:rgb(59, 117, 60)  
}
```

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(59, 117, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 117, 60) }
```

Border

The CSS property to change the border of an element to Yxy 13.9786, 0.3048, 0.4745 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(59, 117, 60) }
```

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

```
.border{ border-color:rgb(59, 117, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 117, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 117, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 117, 60);  
box-shadow:4px 4px 4px 4px rgb(59, 117,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9786, 0.3048, 0.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 117, 60) }
```

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

```
.background{ background-color: rgb(59, 117,  
60) }
```

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