

Converting Colors

$Y_{xy}(13.5049, 0.3674, 0.5017)$

Have a look what the booklet for
Yxy(13.5049, 0.3674, 0.5017)
contains.

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Color

Yxy(13.5049, 0.3674, 0.5017)

Conversions

Conversions Part 1

Format	Color
Hex	576F21
RGB	87, 111, 33
RGB Percent	34%, 44%, 13%
CMY	0.6588, 0.5647, 0.8706
CMYK	0.22, 0.00, 0.70, 0.56
HSL	78°, 54%, 28%
HSV	78°, 70%, 44%
XYZ	9.8898, 13.5049, 3.5236
YIQ	94.9320, 10.7340, -29.3460

Conversions

Conversions Part 2

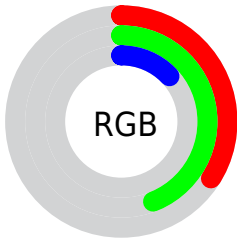
Format	Color
R_{YB}	33, 111, 57
Decimal	5730081
CIE Lab	43.51, -21.36, 38.88
CIE LCh	44, 44.356, 118.780
Yxy	13.5049, 0.3674, 0.5017
Android (android.graphics.Color)	4283920161 (0xFF576F21)
YUV	94.9320, -30.5325, -6.9564
Hunter-Lab	36.7490, -16.2734, 20.0394

Details

The Yxy color **13.5049, 0.3674, 0.5017** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.1046, 0.2163, 0.1317**, and the grayscale version is **11.4995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2925, 0.3587, 0.4584**, and **3.9863, 0.3615, 0.5512** is the 20% darker color. If you saturate the color by 10%, you get **13.2928, 0.3696, 0.5200**, and if you desaturate by 10%, it is **13.7466, 0.3630, 0.4799**.

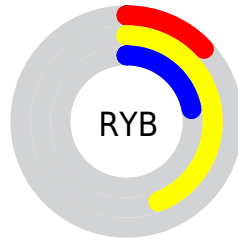
Distribution



Red (34%)

Green (44%)

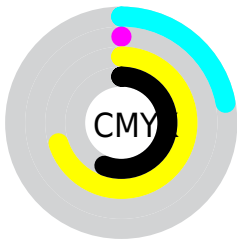
Blue (13%)



Red (13%)

Yellow (44%)

Blue (22%)

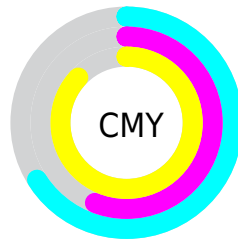


Cyan (22%)

Magenta (0%)

Yellow (70%)

Black (56%)



Cyan (66%)

Magenta (56%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5049, 0.3674, 0.5017 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 13.5049, 0.3674, 0.5017 by changing the saturation by 10% instead.

 13.5049, 0.3674,
0.5017


 13.5049, 0.3674,
0.5017


214.1286, 0.3401,
0.3959


 7.7771, 0.3707,
0.5352


 32.2079, 0.3588,
0.4579


 3.9527, 0.3818,
0.6005

 45.9520, 0.3550,
0.4430


 1.6471, 0.3539,
0.6461

 63.1369, 0.3516,
0.4312

 0.3891, 0.0000,
1.0000

 84.1471, 0.3487,
0.4215


 0.0000, 0.0000,
0.0000


 109.3670, 0.3461,
0.4135

 139.1810, 0.3439,

0.4067


 173.9734, 0.3419,
0.4009


 13.5049, 0.3674,
0.5017


 13.5049, 0.3674,
0.5017


 13.2928, 0.3696,
0.5200


 13.7466, 0.3630,
0.4799


 13.1061, 0.3696,
0.5342

 14.0179, 0.3569,
0.4557

 12.9411, 0.3683,
0.5458

 14.3211, 0.3493,
0.4300

 14.6579, 0.3407,
0.4038

 15.0297, 0.3316,
0.3780

■ 15.4379, 0.3223,
0.3531

■ 15.8836, 0.3130,
0.3296

■ 16.3682, 0.3039,
0.3077

■ 16.8928, 0.2953,
0.2876

Harmonies

Analogous

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



13.5049, 0.4448, 0.4629



13.5049, 0.3674, 0.5017



13.5049, 0.2805, 0.4769

Triad

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



13.5049, 0.3674, 0.5017



13.5049, 0.1588, 0.2215



13.5049, 0.4198, 0.2738

Complementary

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



13.5049, 0.3674, 0.5017



3.1046, 0.2163, 0.1317

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.



13.5049, 0.3242, 0.2255



13.5049, 0.3674, 0.5017



13.5049, 0.1829, 0.1946

Square

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



13.5049, 0.3674, 0.5017



13.5049, 0.1658, 0.2857



13.5049, 0.2386, 0.1975



13.5049, 0.4851, 0.3342

Rectangle

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



13.5049, 0.3674, 0.5017



13.5049, 0.2286, 0.4200



13.5049, 0.2386, 0.1975



13.5049, 0.3891, 0.2559

Sweetspot

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



13.5055, 0.3674, 0.5017



26.8227, 0.3328, 0.3813



6.3562, 0.4904, 0.3772



6.4096, 0.3347, 0.3867



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.



13.5055, 0.3674, 0.5017



23.5961, 0.3698, 0.5290



12.1219, 0.3171, 0.5334



3.8673, 0.3211, 0.3501



15.2352, 0.3679, 0.5461



75.4237, 0.3651, 0.5483

Inverse Universe

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



3.1046, 0.2163, 0.1317



3.6643, 0.1923, 0.0957



4.6894, 0.2880, 0.1653



3.3456, 0.3039, 0.3076



1.7433, 0.1745, 0.0735



8.2770, 0.1696, 0.0708

Previews

White Background



This preview shows how the Yxy color 13.5049, 0.3674, 0.5017 looks on a white background.

Color Contrast Check

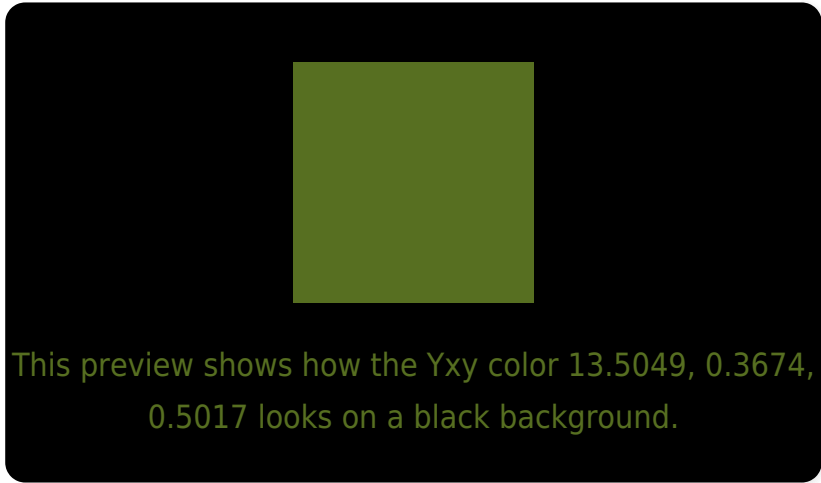
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

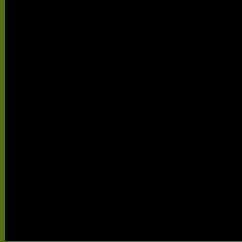
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5049, 0.3674, 0.5017

Background



This preview shows how black text looks on a background with the Yxy color 13.5049, 0.3674, 0.5017.



This preview shows how white text looks on a background with the Yxy color 13.5049, 0.3674, 0.5017.

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

13.5049, 0.3674, 0.5017

Protanopia

13.4443, 0.4216, 0.4658

Deuteranopia

13.2785, 0.4437, 0.4355



Tritanopia

13.5573, 0.2917, 0.3114

Trichromacy



Original Color

13.5049, 0.3674, 0.5017

Protanomaly

13.4156, 0.4012, 0.4788

Deuteranomaly

13.1408, 0.4154, 0.4595

Tritanomaly

13.4671, 0.3239, 0.3849

Monochromacy



Original Color

13.5049, 0.3674, 0.5017

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.0506, 0.3389, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5049, 0.3674, 0.5017 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(87, 111, 33)` looks like.

```
.text, #text, p{  
    color:rgb(87, 111, 33)  
}
```

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(87, 111, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 111, 33) }
```

Border

The CSS property to change the border of an element to Yxy 13.5049, 0.3674, 0.5017 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(87, 111, 33) }
```

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

```
.border{ border-color:rgb(87, 111, 33) }
```

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

Here you see how a box with a 4 pixel rgb(87, 111, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 111, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 111, 33);  
box-shadow:4px 4px 4px 4px rgb(87, 111,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5049, 0.3674, 0.5017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 111, 33) }
```

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

```
.background{ background-color: rgb(87, 111,  
33) }
```

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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