

Converting Colors

$Y_{xy}(13.0857, 0.3377, 0.5070)$

Have a look what the booklet for
Yxy(13.0857, 0.3377, 0.5070)
contains.

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Color

Yxy(13.0369, 0.3380, 0.5073)

Conversions

Conversions Part 1

Format	Color
Hex	467027
RGB	70, 112, 39
RGB Percent	27%, 44%, 15%
CMY	0.7255, 0.5608, 0.8472
CMYK	0.37, 0.00, 0.65, 0.56
HSL	95°, 48%, 30%
HSV	95°, 65%, 44%
XYZ	8.6861, 13.0369, 3.9756
YIQ	91.1200, -1.5990, -31.6070

Conversions

Conversions Part 2

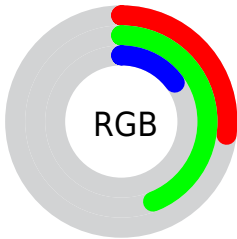
Format	Color
RYB	39, 112, 81
Decimal	4616231
CIELab	42.82, -28.31, 35.06
CIELCh	43, 45.066, 128.922
Yxy	13.0369, 0.3380, 0.5073
Android (android.graphics.Color)	4282806311 (0xFF467027)
YUV	91.1200, -25.6952, -18.5222
Hunter-Lab	36.1066, -20.2451, 18.7464

Details

The Yxy color **13.0369, 0.3380, 0.5073** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.3672, 0.2587, 0.1605**, and the grayscale version is **10.5504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3040, 0.3363, 0.4601**, and **3.8155, 0.3234, 0.5815** is the 20% darker color. If you saturate the color by 10%, you get **12.7471, 0.3376, 0.5322**, and if you desaturate by 10%, it is **13.3755, 0.3367, 0.4796**.

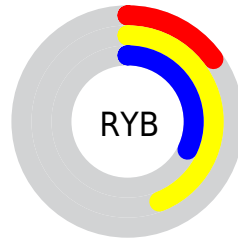
Distribution



Red (27%)

Green (44%)

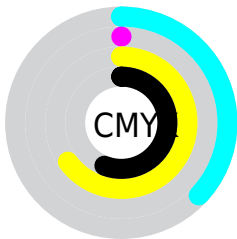
Blue (15%)



Red (15%)

Yellow (44%)

Blue (32%)

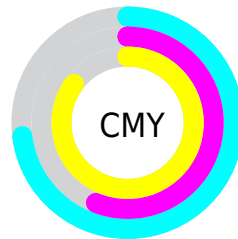


Cyan (37%)

Magenta (0%)

Yellow (65%)

Black (56%)



Cyan (73%)


Magenta (56%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0369, 0.3380, 0.5073 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 13.0369, 0.3380, 0.5073 by changing the saturation by 10% instead.


 13.0369, 0.3380,
0.5073


 13.0369, 0.3380,
0.5073


211.1540, 0.3280,
0.3951


 7.4540, 0.3362,
0.5457


 31.3701, 0.3363,
0.4594


 3.7476, 0.3354,
0.6154

 44.8891, 0.3349,
0.4437

 1.5334, 0.3002,
0.6998

 61.8222, 0.3335,
0.4313

 0.3121, 0.0000,
1.0000

 82.5539, 0.3322,
0.4212

 0.0000, 0.0000,
0.0000

 107.4686, 0.3310,
0.4130

 136.9505, 0.3299,

0.4061

171.3842, 0.3289,
0.4002

■ 13.0369, 0.3380,
0.5073

■ 13.0369, 0.3380,
0.5073

■ 12.7471, 0.3376,
0.5322

■ 13.3755, 0.3367,
0.4796

■ 12.5015, 0.3355,
0.5528

■ 13.7637, 0.3340,
0.4505

■ 12.2962, 0.3318,
0.5688

■ 14.2044, 0.3302,
0.4212

■ 12.2074, 0.3301,
0.5761

■ 14.6997, 0.3256,
0.3928

■ 15.2517, 0.3206,
0.3660

■ 15.8622, 0.3154,
0.3411

■ 16.5331, 0.3102,
0.3184

■ 17.2661, 0.3051,
0.2978

■ 18.0628, 0.3002,
0.2793

Harmonies

Analogous

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



13.0369, 0.4230, 0.4840



13.0369, 0.3380, 0.5073



13.0369, 0.2510, 0.4551

Triad

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



13.0369, 0.3380, 0.5073



13.0369, 0.1603, 0.2057



13.0369, 0.4511, 0.2921

Complementary

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



13.0369, 0.3380, 0.5073



4.3672, 0.2587, 0.1605

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.



13.0369, 0.3582, 0.2378



13.0369, 0.3380, 0.5073



13.0369, 0.1955, 0.1895

Square

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



13.0369, 0.3380, 0.5073



13.0369, 0.1564, 0.2572



13.0369, 0.2633, 0.2016



13.0369, 0.4989, 0.3559

Rectangle

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



13.0369, 0.3380, 0.5073



13.0369, 0.2040, 0.3861



13.0369, 0.2633, 0.2016



13.0369, 0.4232, 0.2726

Sweetspot

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



13.0375, 0.3380, 0.5073



26.2638, 0.3233, 0.3800



9.3809, 0.4414, 0.4164



6.2598, 0.3244, 0.3859



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.



13.0375, 0.3380, 0.5073



22.1742, 0.3368, 0.5428



12.2003, 0.2997, 0.5163



3.8261, 0.3174, 0.3503



14.0988, 0.3296, 0.5765



69.7456, 0.3258, 0.5795

Inverse Universe

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



4.3672, 0.2587, 0.1605



5.6379, 0.2426, 0.1290



5.9586, 0.3291, 0.1948



3.3863, 0.3076, 0.3078



2.6148, 0.2211, 0.0992



12.5092, 0.2161, 0.0964

Previews

White Background



This preview shows how the Yxy color 13.0369, 0.3380, 0.5073 looks on a white background.

Color Contrast Check

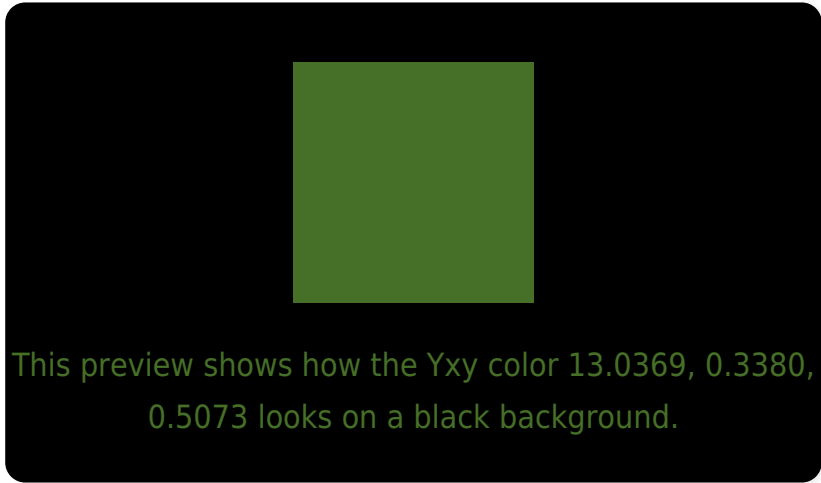
Large Text (above 18pt) WCAG AA ✓ Pass

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

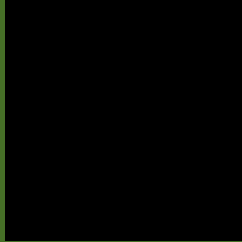
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0369, 0.3380, 0.5073

Background



This preview shows how black text looks on a background with the Yxy color 13.0369, 0.3380, 0.5073.



This preview shows how white text looks on a background with the Yxy color 13.0369, 0.3380, 0.5073.

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

13.0369, 0.3380, 0.5073

Protanopia

12.9454, 0.4167, 0.4579

Deuteranopia

12.9076, 0.4338, 0.4276



Tritanopia

13.0447, 0.2720, 0.3105

Trichromacy



Original Color

13.0369, 0.3380, 0.5073

Protanomaly

12.7781, 0.3854, 0.4774

Deuteranomaly

12.6732, 0.3966, 0.4571

Tritanomaly

12.9748, 0.2984, 0.3833

Monochromacy



Original Color

13.0369, 0.3380, 0.5073

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.2306, 0.3257, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0369, 0.3380, 0.5073 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(70, 112, 39)` looks like.

```
.text, #text, p{  
    color:rgb(70, 112, 39)  
}
```

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(70, 112, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 112, 39) }
```

Border

The CSS property to change the border of an element to Yxy 13.0369, 0.3380, 0.5073 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(70, 112, 39) }
```

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

```
.border{ border-color:rgb(70, 112, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 112, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 112, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 112, 39);  
box-shadow:4px 4px 4px 4px rgb(70, 112,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0369, 0.3380, 0.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 112, 39) }
```

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

```
.background{ background-color: rgb(70, 112,  
39) }
```

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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