

Converting Colors

$Y_{xy}(13.0800, 0.3001, 0.4577)$

Have a look what the booklet for
Yxy(13.0800, 0.3001, 0.4577)
contains.

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Color

Yxy(13.0800, 0.3001, 0.4577)

Conversions

Conversions Part 1

Format	Color
Hex	3A7140
RGB	58, 113, 64
RGB Percent	23%, 44%, 25%
CMY	0.7725, 0.5569, 0.7491
CMYK	0.49, 0.00, 0.43, 0.56
HSL	127°, 32%, 34%
HSV	127°, 49%, 44%
XYZ	8.5762, 13.0800, 6.9215
YIQ	90.9690, -17.0510, -26.8990

Conversions

Conversions Part 2

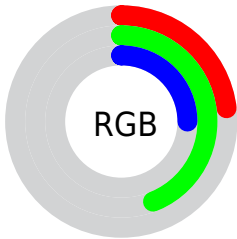
Format	Color
RYB	58, 108, 113
Decimal	3830080
CIELab	42.88, -29.55, 21.70
CIElCh	43, 36.661, 143.701
Yxy	13.0800, 0.3001, 0.4577
Android (android.graphics.Color)	4282020160 (0xFF3A7140)
YUV	90.9690, -13.2957, -28.9138
Hunter-Lab	36.1663, -20.9631, 13.9695

Details

The Yxy color **13.0800, 0.3001, 0.4577** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.6013, 0.3289, 0.2277**, and the grayscale version is **10.4893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3313, 0.3058, 0.4223**, and **3.7302, 0.2838, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **12.6736, 0.2982, 0.4889**, and if you desaturate by 10%, it is **13.5826, 0.3025, 0.4270**.

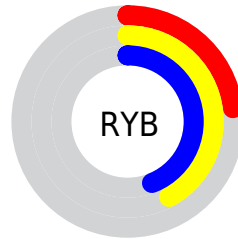
Distribution



Red (23%)

Green (44%)

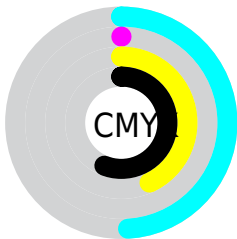
Blue (25%)



Red (23%)

Yellow (42%)

Blue (44%)

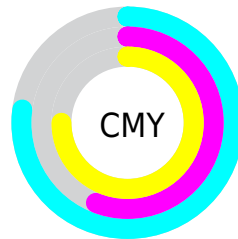


Cyan (49%)

Magenta (0%)

Yellow (43%)

Black (56%)



Cyan (77%)


Magenta (56%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0800, 0.3001, 0.4577 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 13.0800, 0.3001, 0.4577 by changing the saturation by 10% instead.


 13.0800, 0.3001,
0.4577


 13.0800, 0.3001,
0.4577


211.4297, 0.3101,
0.3759


 7.4837, 0.2947,
0.4879


 31.4474, 0.3053,
0.4220


 3.7664, 0.2844,
0.5353

 44.9873, 0.3067,
0.4106

 1.5438, 0.2866,
0.6974

 61.9438, 0.3077,
0.4016

 0.3192, 0.0000,
1.0000

 82.7014, 0.3085,
0.3944

 0.0000, 0.0000,
0.0000

 107.6443, 0.3090,
0.3886

 137.1571, 0.3095,

0.3836

171.6241, 0.3099,
0.3795

■ 13.0800, 0.3001,
0.4577

■ 13.0800, 0.3001,
0.4577

■ 12.6736, 0.2982,
0.4889

■ 13.5826, 0.3025,
0.4270

■ 12.3557, 0.2968,
0.5191

■ 14.1852, 0.3051,
0.3980

■ 12.1201, 0.2962,
0.5465


■ 14.8935, 0.3078,
0.3714

■ 11.9592, 0.2964,
0.5690


■ 15.7123, 0.3105,
0.3475


■ 11.8508, 0.2967,
0.5859


■ 16.6459, 0.3131,
0.3263

 11.8375, 0.2966,
0.5878

 17.6986, 0.3155,
0.3077

 18.8743, 0.3178,
0.2915

 20.1769, 0.3200,
0.2774

 21.6101, 0.3219,
0.2652

Harmonies

Analogous

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



13.0800, 0.3745, 0.4715



13.0800, 0.3001, 0.4577



13.0800, 0.2331, 0.3904

Triad

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



13.0800, 0.3001, 0.4577



13.0800, 0.1953, 0.2156



13.0800, 0.4509, 0.3268

Complementary

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



13.0800, 0.3001, 0.4577



7.6013, 0.3289, 0.2277

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.



13.0800, 0.3900, 0.2744



13.0800, 0.3001, 0.4577



13.0800, 0.2400, 0.2132

Square

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



13.0800, 0.3001, 0.4577



13.0800, 0.1786, 0.2457



13.0800, 0.3098, 0.2342



13.0800, 0.4669, 0.3841

Rectangle

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



13.0800, 0.3001, 0.4577



13.0800, 0.2015, 0.3337



13.0800, 0.3098, 0.2342



13.0800, 0.4347, 0.3084

Sweetspot

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



13.0805, 0.3001, 0.4577



27.1242, 0.3086, 0.3633



15.2730, 0.3725, 0.4447



6.2203, 0.3082, 0.3673



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.



13.0805, 0.3001, 0.4577



22.6369, 0.2980, 0.4917



13.4660, 0.2726, 0.3847



3.7686, 0.3104, 0.3483



13.4260, 0.2968, 0.5885



66.8142, 0.2983, 0.5937

Inverse Universe

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



7.6013, 0.3289, 0.2277



11.5967, 0.3332, 0.2083



7.1184, 0.3856, 0.2809



3.4475, 0.3151, 0.3105



5.0405, 0.3491, 0.1697



25.0316, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 13.0800, 0.3001, 0.4577 looks on a white background.

Color Contrast Check

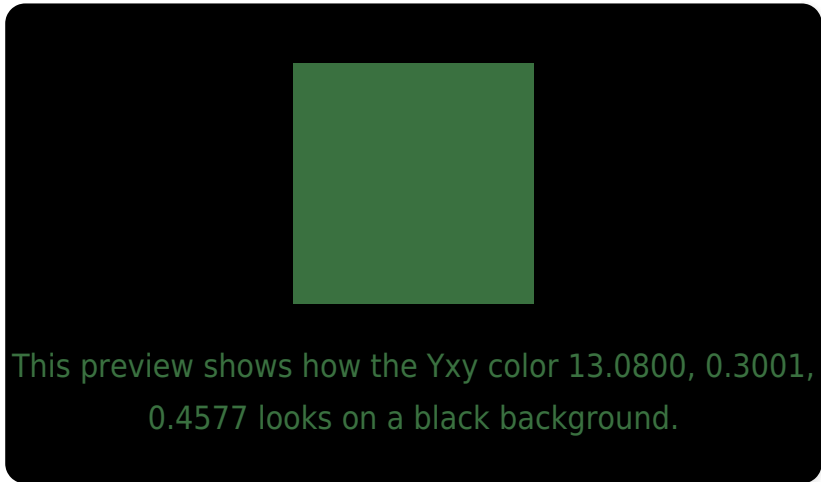
Large Text (above 18pt) WCAG AA ✓ Pass

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

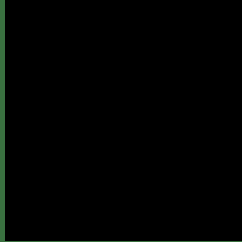
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0800, 0.3001, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 13.0800, 0.3001, 0.4577.



This preview shows how white text looks on a background with the Yxy color 13.0800, 0.3001, 0.4577.

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

13.0800, 0.3001, 0.4577

Protanopia

12.9381, 0.3852, 0.4198

Deuteranopia

12.8480, 0.3947, 0.3868



Tritanopia

13.0784, 0.2574, 0.3078

Trichromacy



Original Color

13.0800, 0.3001, 0.4577

Protanomaly

12.6642, 0.3497, 0.4338

Deuteranomaly

12.5047, 0.3546, 0.4105

Tritanomaly

12.9586, 0.2733, 0.3587

Monochromacy



Original Color

13.0800, 0.3001, 0.4577

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1800, 0.3077, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0800, 0.3001, 0.4577 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(58, 113, 64)` looks like.

```
.text, #text, p{  
    color:rgb(58, 113, 64)  
}
```

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(58, 113, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 113, 64) }
```

Border

The CSS property to change the border of an element to Yxy 13.0800, 0.3001, 0.4577 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(58, 113, 64) }
```

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

```
.border{ border-color:rgb(58, 113, 64) }
```

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

Here you see how a box with a 4 pixel rgb(58, 113, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 113, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 113, 64);  
box-shadow:4px 4px 4px 4px rgb(58, 113,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0800, 0.3001, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 113, 64) }
```

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

```
.background{ background-color: rgb(58, 113,  
64) }
```

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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