

Converting Colors

$Y_{xy}(11.3349, 0.3078, 0.4223)$

Have a look what the booklet for
Yxy(11.3349, 0.3078, 0.4223)
contains.

Yxy(11.3468, 0.3083, 0.4226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.3468, 0.3083, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	446744
RGB	68, 103, 68
RGB Percent	27%, 40%, 27%
CMY	0.7333, 0.5961, 0.7333
CMYK	0.34, 0.00, 0.34, 0.60
HSL	120°, 20%, 34%
HSV	120°, 34%, 40%
XYZ	8.2778, 11.3468, 7.2253
YIQ	88.5450, -9.6250, -18.3050

Conversions

Conversions Part 2

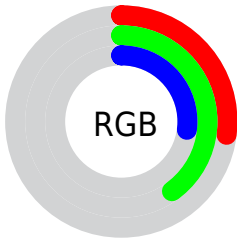
Format	Color
R _Y B	68, 103, 103
Decimal	4482884
CIE Lab	40.16, -20.43, 15.85
CIE LCh	40, 25.862, 142.191
Yxy	11.3468, 0.3083, 0.4226
Android (android.graphics.Color)	4282672964 (0xFF446744)
YUV	88.5450, -10.1287, -18.0180
Hunter-Lab	33.6850, -15.0837, 10.8620

Details

The Yxy color **11.3468, 0.3083, 0.4226** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.9967, 0.3164, 0.2503**, and the grayscale version is **9.9092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1541, 0.3105, 0.3966**, and **3.0649, 0.3017, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **10.8940, 0.3067, 0.4556**, and if you desaturate by 10%, it is **11.8877, 0.3098, 0.3916**.

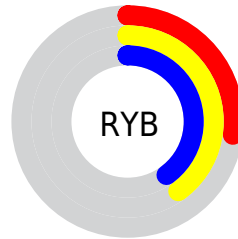
Distribution



 Red (27%)

 Green (40%)

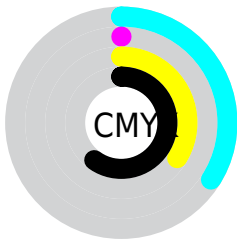
 Blue (27%)



 Red (27%)

 Yellow (40%)

 Blue (40%)

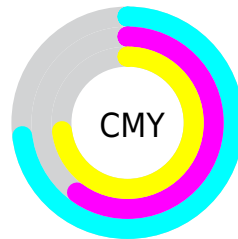


 Cyan (34%)


 Magenta (0%)

 Yellow (34%)

 Black (60%)



 Cyan (73%)

 Magenta (60%)

 Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.3468, 0.3083, 0.4226 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 11.3468, 0.3083, 0.4226 by changing the saturation by 10% instead.

■ 11.3468, 0.3083,
0.4226

■ 11.3468, 0.3083,
0.4226

■ 200.0316, 0.3123,
0.3627

■ 6.3006, 0.3058,
0.4453

■ 28.2997, 0.3105,
0.3962

■ 3.0287, 0.3005,
0.4819

■ 40.9752, 0.3111,
0.3879

■ 1.1467, 0.3110,
0.6256

■ 56.9626, 0.3115,
0.3814

■ 0.0176, 0.0000,
1.0000

■ 76.6462, 0.3117,
0.3762

■ 0.0000, 0.0000,
0.0000

■ 100.4106, 0.3119,
0.3719

128.6400, 0.3121,

0.3683

161.7189, 0.3122,
0.3653

■ 11.3468, 0.3083,
0.4226

■ 11.3468, 0.3083,
0.4226

■ 10.8940, 0.3067,
0.4556

■ 11.8877, 0.3098,
0.3916

■ 10.5234, 0.3052,
0.4893

■ 12.5196, 0.3111,
0.3634

■ 10.2304, 0.3036,
0.5218


■ 13.2468, 0.3123,
0.3382

■ 10.0095, 0.3023,
0.5508


■ 14.0730, 0.3133,
0.3160


■ 9.8545, 0.3012,
0.5741

■ 15.0019, 0.3142,
0.2967

 9.7545, 0.3004,
0.5906

 16.0368, 0.3150,
0.2800

 9.7009, 0.3000,
0.5999

 17.1808, 0.3157,
0.2656

 18.4370, 0.3163,
0.2531

 19.8083, 0.3168,
0.2424

Harmonies

Analogous

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



11.3468, 0.3645, 0.4340



11.3468, 0.3083, 0.4226



11.3468, 0.2560, 0.3768

Triad

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



11.3468, 0.3083, 0.4226



11.3468, 0.2212, 0.2432



11.3468, 0.4132, 0.3276

Complementary

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



11.3468, 0.3083, 0.4226



7.9967, 0.3164, 0.2503

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.



11.3468, 0.3676, 0.2860



11.3468, 0.3083, 0.4226



11.3468, 0.2558, 0.2391

Square

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



11.3468, 0.3083, 0.4226



11.3468, 0.2091, 0.2696



11.3468, 0.3086, 0.2546



11.3468, 0.4283, 0.3725

Rectangle

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



11.3468, 0.3083, 0.4226



11.3468, 0.2302, 0.3371



11.3468, 0.3086, 0.2546



11.3468, 0.4007, 0.3130

Sweetspot

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



11.3473, 0.3083, 0.4226



22.8771, 0.3115, 0.3537



13.0018, 0.3605, 0.4081



5.5494, 0.3114, 0.3564



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.



11.3473, 0.3083, 0.4226



19.6397, 0.3070, 0.4496



11.5936, 0.2873, 0.3745



3.1427, 0.3117, 0.3502



12.2047, 0.3000, 0.5999



63.6535, 0.3000, 0.6000

Inverse Universe

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



7.9967, 0.3164, 0.2503



12.6151, 0.3173, 0.2321



7.6816, 0.3492, 0.2878



2.8890, 0.3137, 0.3087



4.8586, 0.3210, 0.1542



25.3396, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 11.3468, 0.3083, 0.4226 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 11.3468, 0.3083, 0.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

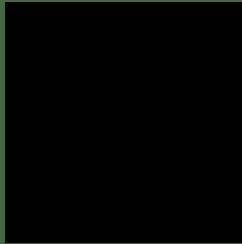
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3468, 0.3083, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 11.3468, 0.3083, 0.4226.



This preview shows how white text looks on a background with the Yxy color 11.3468, 0.3083, 0.4226.

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

11.3468, 0.3083, 0.4226

Protanopia

11.2004, 0.3707, 0.3990

Deuteranopia

11.1468, 0.3782, 0.3714



Tritanopia

11.2718, 0.2709, 0.3094

Trichromacy



Original Color

11.3468, 0.3083, 0.4226

Protanomaly

11.1047, 0.3473, 0.4083

Deuteranomaly

11.0595, 0.3494, 0.3897

Tritanomaly

11.2648, 0.2841, 0.3494

Monochromacy



Original Color

11.3468, 0.3083, 0.4226

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.3488, 0.3111, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3468, 0.3083, 0.4226 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(68, 103, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 103, 68)  
}
```

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(68, 103, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 103, 68) }
```

Border

The CSS property to change the border of an element to Yxy 11.3468, 0.3083, 0.4226 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(68, 103, 68) }
```

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

```
.border{ border-color:rgb(68, 103, 68) }
```

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

Here you see how a box with a 4 pixel rgb(68, 103, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 103, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 103, 68);  
box-shadow:4px 4px 4px 4px rgb(68, 103,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3468, 0.3083, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 103, 68) }
```

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

```
.background{ background-color: rgb(68, 103,  
68) }
```

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