

Converting Colors

$Yxy(32.9957, 0.3002, 0.4133)$

Have a look what the booklet for
Yxy(32.9957, 0.3002, 0.4133)
contains.

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Color

Yxy(33.0470, 0.3003, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	6EA978
RGB	110, 169, 120
RGB Percent	43%, 66%, 47%
CMY	0.5688, 0.3372, 0.5294
CMYK	0.35, 0.00, 0.29, 0.34
HSL	130°, 26%, 55%
HSV	130°, 35%, 66%
XYZ	24.0058, 33.0470, 22.8867
YIQ	145.7730, -19.4350, -27.7470

Conversions

Conversions Part 2

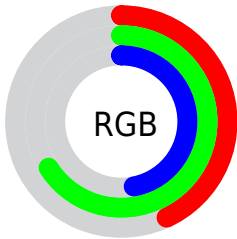
Format	Color
RYB	110, 160, 169
Decimal	7252344
CIELab	64.20, -29.63, 19.36
CIElCh	64, 35.393, 146.841
Yxy	33.0470, 0.3003, 0.4134
Android (android.graphics.Color)	4285442424 (0xFF6EA978)
YUV	145.7730, -12.7061, -31.3729
Hunter-Lab	57.4865, -26.0615, 16.6359

Details

The Yxy color **33.0470, 0.3003, 0.4134** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.0822, 0.3284, 0.2573**, and the grayscale version is **28.7037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6541, 0.3030, 0.3951**, and **13.8755, 0.2943, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **31.7501, 0.2972, 0.4428**, and if you desaturate by 10%, it is **34.6033, 0.3037, 0.3860**.

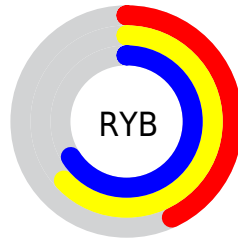
Distribution



Red (43%)

Green (66%)

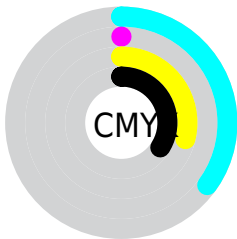
Blue (47%)



Red (43%)

Yellow (63%)

Blue (66%)

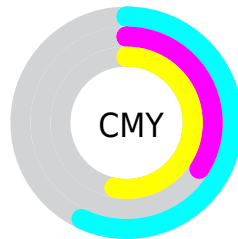


Cyan (35%)

Magenta (0%)

Yellow (29%)

Black (34%)



Cyan (57%)

Magenta (34%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0470, 0.3003, 0.4134 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 33.0470, 0.3003, 0.4134 by changing the saturation by 10% instead.

 33.0470, 0.3003,
0.4134

 33.0470, 0.3003,
0.4134


315.8615, 0.3080,
0.3667

 22.1625, 0.2978,
0.4268


 64.4489, 0.3035,
0.3952

 13.9763, 0.2940,
0.4451


 85.7350, 0.3046,
0.3888

 8.1042, 0.2882,
0.4716

 111.2572, 0.3054,
0.3835

 4.1617, 0.2778,
0.5131

 141.3997, 0.3061,
0.3790

 1.7644, 0.2664,
0.6098

176.5470, 0.3067,
0.3752

 0.4648, 0.0000,
1.0000

217.0834, 0.3072,

 0.0000, 0.0000,

0.3720

0.0000

263.3935, 0.3076,
0.3692

■ 33.0470, 0.3003,
0.4134

■ 33.0470, 0.3003,
0.4134

■ 31.7501, 0.2972,
0.4428

■ 34.6033, 0.3037,
0.3860

■ 30.6945, 0.2948,
0.4734

■ 36.4277, 0.3073,
0.3611

■ 29.8663, 0.2932,
0.5037


■ 38.5336, 0.3110,
0.3390

■ 29.2483, 0.2926,
0.5321


■ 40.9323, 0.3145,
0.3194


■ 28.8211, 0.2932,
0.5568

■ 43.6345, 0.3179,
0.3024

 28.5610, 0.2948,
0.5761

 46.6503, 0.3210,
0.2876

 28.4668, 0.2955,
0.5838

 49.9893, 0.3240,
0.2748

 53.6608, 0.3268,
0.2637

 56.3074, 0.3235,
0.2527

Harmonies

Analogous

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



33.0470, 0.3547, 0.4301



33.0470, 0.3003, 0.4134



33.0470, 0.2518, 0.3661

Triad

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



33.0470, 0.3003, 0.4134



33.0470, 0.2285, 0.2445



33.0470, 0.4134, 0.3346

Complementary

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



33.0470, 0.3003, 0.4134



22.0822, 0.3284, 0.2573

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.



33.0470, 0.3734, 0.2934



33.0470, 0.3003, 0.4134



33.0470, 0.2650, 0.2435

Square

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



33.0470, 0.3003, 0.4134



33.0470, 0.2133, 0.2667



33.0470, 0.3176, 0.2611



33.0470, 0.4228, 0.3777

Rectangle

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



33.0470, 0.3003, 0.4134



33.0470, 0.2289, 0.3282



33.0470, 0.3176, 0.2611



33.0470, 0.4030, 0.3203

Sweetspot

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



33.0484, 0.3003, 0.4134



66.9619, 0.3091, 0.3503



36.8924, 0.3543, 0.4172



14.4858, 0.3086, 0.3533



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.0484, 0.3003, 0.4134



57.3259, 0.2979, 0.4363



33.8724, 0.2783, 0.3616



8.4278, 0.3094, 0.3483



21.2194, 0.2951, 0.5825



0.5222, 0.2807, 0.5304

Inverse Universe

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



22.0822, 0.3284, 0.2573



34.6772, 0.3329, 0.2416



21.1826, 0.3662, 0.2990



7.6444, 0.3162, 0.3105



7.7099, 0.3683, 0.1803



0.1932, 0.3503, 0.1703

Previews

White Background



This preview shows how the Yxy color 33.0470, 0.3003, 0.4134 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.0470, 0.3003, 0.4134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

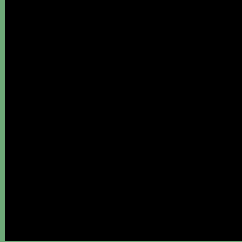
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0470, 0.3003, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 33.0470, 0.3003, 0.4134.



This preview shows how white text looks on a background with the Yxy color 33.0470, 0.3003, 0.4134.

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

33.0470, 0.3003, 0.4134

Protanopia

32.7646, 0.3634, 0.3906

Deuteranopia

32.6534, 0.3711, 0.3649



Tritanopia

33.0008, 0.2668, 0.3085

Trichromacy



Original Color

33.0470, 0.3003, 0.4134

Protanomaly

32.5136, 0.3386, 0.3993

Deuteranomaly

32.1756, 0.3427, 0.3804

Tritanomaly

33.0587, 0.2789, 0.3453

Monochromacy



Original Color

33.0470, 0.3003, 0.4134

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.9039, 0.3075, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0470, 0.3003, 0.4134 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(110, 169, 120)` looks like.

```
.text, #text, p{  
    color:rgb(110, 169, 120)  
}
```

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(110, 169, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 169, 120) }
```

Border

The CSS property to change the border of an element to Yxy 33.0470, 0.3003, 0.4134 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(110, 169, 120) }
```

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

```
.border{ border-color:rgb(110, 169, 120) }
```

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

Here you see how a box with a 4 pixel rgb(110, 169, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 169, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 169, 120);  
box-shadow:4px 4px 4px 4px rgb(110, 169,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0470, 0.3003, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 169, 120) }
```

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

```
.background{ background-color: rgb(110,  
169, 120) }
```

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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