

Converting Colors

Yxy(33.8129, 0.3188, 0.4569)

Have a look what the booklet for
Yxy(33.8129, 0.3188, 0.4569)
contains.

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Color

Yxy(33.8129, 0.3188, 0.4569)

Conversions

Conversions Part 1

Format	Color
Hex	70AC61
RGB	112, 172, 97
RGB Percent	44%, 67%, 38%
CMY	0.5608, 0.3255, 0.6195
CMYK	0.35, 0.00, 0.44, 0.33
HSL	108°, 31%, 53%
HSV	108°, 44%, 67%
XYZ	23.5928, 33.8129, 16.5993
YIQ	145.5100, -11.6850, -36.0450

Conversions

Conversions Part 2

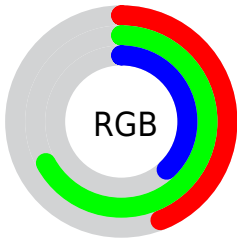
Format	Color
RYB	97, 172, 157
Decimal	7384161
CIELab	64.81, -34.10, 32.49
CIElCh	65, 47.104, 136.386
Yxy	33.8129, 0.3188, 0.4569
Android (android.graphics.Color)	4285574241 (0xFF70AC61)
YUV	145.5100, -23.9154, -29.3883
Hunter-Lab	58.1489, -29.3375, 23.7791

Details

The Yxy color **33.8129, 0.3188, 0.4569** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7058, 0.2994, 0.2184**, and the grayscale version is **28.6380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7637, 0.3191, 0.4292**, and **14.3677, 0.3160, 0.5049** is the 20% darker color. If you saturate the color by 10%, you get **32.6923, 0.3187, 0.4902**, and if you desaturate by 10%, it is **35.1440, 0.3181, 0.4239**.

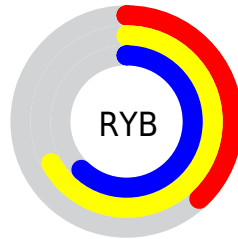
Distribution



Red (44%)

Green (67%)

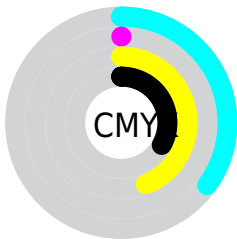
Blue (38%)



Red (38%)

Yellow (67%)

Blue (62%)

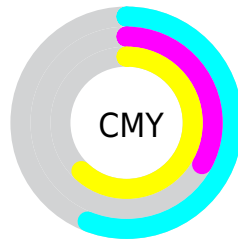


Cyan (35%)

Magenta (0%)

Yellow (44%)

Black (33%)



Cyan (56%)


Magenta (33%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8129, 0.3188, 0.4569 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 33.8129, 0.3188, 0.4569 by changing the saturation by 10% instead.


 33.8129, 0.3188,
0.4569


 33.8129, 0.3188,
0.4569


319.2970, 0.3182,
0.3859

 22.7499, 0.3177,
0.4770


 65.6426, 0.3194,
0.4294


 14.4089, 0.3154,
0.5042


 87.1781, 0.3193,
0.4196

 8.4056, 0.3104,
0.5425


 112.9732, 0.3192,
0.4115

 4.3556, 0.2994,
0.6013

 143.4124, 0.3190,
0.4047

 1.8744, 0.2793,
0.7207

178.8799, 0.3188,
0.3989

 0.5329, 0.0000,
1.0000

219.7603, 0.3186,

 0.0000, 0.0000,

0.3940

0.0000

266.4378, 0.3184,
0.3897

■ 33.8129, 0.3188,
0.4569

■ 33.8129, 0.3188,
0.4569

■ 32.6923, 0.3187,
0.4902

■ 35.1440, 0.3181,
0.4239

■ 31.7672, 0.3177,
0.5219

■ 36.6914, 0.3169,
0.3926

■ 31.0271, 0.3157,
0.5500


■ 38.4657, 0.3153,
0.3637


■ 30.4589, 0.3128,
0.5723

■ 40.4758, 0.3134,
0.3377

■ 30.0476, 0.3092,
0.5875


■ 42.7299, 0.3114,
0.3145

 29.8520, 0.3071,
0.5944

 45.2360, 0.3094,
0.2940

 48.0016, 0.3075,
0.2761

 51.0339, 0.3056,
0.2605

 54.3399, 0.3037,
0.2469

Harmonies

Analogous

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



33.8129, 0.3877, 0.4584



33.8129, 0.3188, 0.4569



33.8129, 0.2520, 0.4046

Triad

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



33.8129, 0.3188, 0.4569



33.8129, 0.1953, 0.2265



33.8129, 0.4314, 0.3148

Complementary

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



33.8129, 0.3188, 0.4569



18.7058, 0.2994, 0.2184

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.



33.8129, 0.3674, 0.2669



33.8129, 0.3188, 0.4569



33.8129, 0.2316, 0.2177

Square

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



33.8129, 0.3188, 0.4569



33.8129, 0.1860, 0.2626



33.8129, 0.2925, 0.2326



33.8129, 0.4581, 0.3689

Rectangle

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



33.8129, 0.3188, 0.4569



33.8129, 0.2176, 0.3530



33.8129, 0.2925, 0.2326



33.8129, 0.4132, 0.2978

Sweetspot

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



33.8143, 0.3188, 0.4569



69.9015, 0.3152, 0.3628



33.7516, 0.3848, 0.4158



15.0324, 0.3156, 0.3687



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.8143, 0.3188, 0.4569



59.4286, 0.3187, 0.4880



33.3939, 0.2907, 0.4212



9.0135, 0.3145, 0.3522



22.2330, 0.3076, 0.5940



0.6404, 0.3275, 0.5782

Inverse Universe

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



18.7058, 0.2994, 0.2184



28.5008, 0.2952, 0.1959



19.5124, 0.3463, 0.2525



8.0661, 0.3107, 0.3064



6.2398, 0.2716, 0.1270



0.1938, 0.2875, 0.1357

Previews

White Background



This preview shows how the Yxy color 33.8129, 0.3188, 0.4569 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 33.8129, 0.3188, 0.4569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

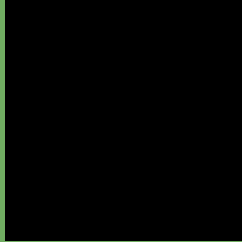
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8129, 0.3188, 0.4569

Background



This preview shows how black text looks on a background with the Yxy color 33.8129, 0.3188, 0.4569.



This preview shows how white text looks on a background with the Yxy color 33.8129, 0.3188, 0.4569.

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

33.8129, 0.3188, 0.4569

Protanopia

33.6399, 0.3901, 0.4239

Deuteranopia

33.4634, 0.4017, 0.3949



Tritanopia

33.7646, 0.2702, 0.3088

Trichromacy



Original Color

33.8129, 0.3188, 0.4569

Protanomaly

33.1150, 0.3620, 0.4364

Deuteranomaly

32.8474, 0.3686, 0.4172

Tritanomaly

33.4440, 0.2884, 0.3601

Monochromacy



Original Color

33.8129, 0.3188, 0.4569

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.0695, 0.3165, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8129, 0.3188, 0.4569 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(112, 172, 97)` looks like.

```
.text, #text, p{  
    color:rgb(112, 172, 97)  
}
```

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(112, 172, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 172, 97) }
```

Border

The CSS property to change the border of an element to Yxy 33.8129, 0.3188, 0.4569 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(112, 172, 97) }
```

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

```
.border{ border-color:rgb(112, 172, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 172, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 172, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 172, 97);  
box-shadow:4px 4px 4px 4px rgb(112, 172,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8129, 0.3188, 0.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 172, 97) }
```

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

```
.background{ background-color: rgb(112,  
172, 97) }
```

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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