

Converting Colors

$Yxy(33.0230, 0.3137, 0.4467)$

Have a look what the booklet for
Yxy(33.0230, 0.3137, 0.4467)
contains.

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Color

Yxy(33.0238, 0.3138, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	6EAA66
RGB	110, 170, 102
RGB Percent	43%, 67%, 40%
CMY	0.5686, 0.3333, 0.6001
CMYK	0.35, 0.00, 0.40, 0.33
HSL	113°, 29%, 53%
HSV	113°, 40%, 67%
XYZ	23.2039, 33.0238, 17.7172
YIQ	144.3080, -13.9320, -33.8680

Conversions

Conversions Part 2

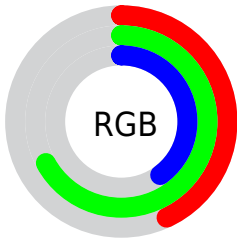
Format	Color
RYB	102, 170, 162
Decimal	7252582
CIELab	64.18, -33.11, 29.05
CIElCh	64, 44.049, 138.732
Yxy	33.0238, 0.3138, 0.4466
Android (android.graphics.Color)	4285442662 (0xFF6EAA66)
YUV	144.3080, -20.8578, -30.0881
Hunter-Lab	57.4663, -28.4909, 21.9470

Details

The Yxy color **33.0238, 0.3138, 0.4466** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.0808, 0.3075, 0.2296**, and the grayscale version is **28.1118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6183, 0.3150, 0.4211**, and **13.8885, 0.3092, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **31.8399, 0.3131, 0.4808**, and if you desaturate by 10%, it is **34.4424, 0.3140, 0.4134**.

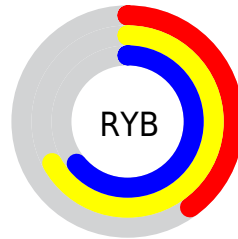
Distribution



Red (43%)

Green (67%)

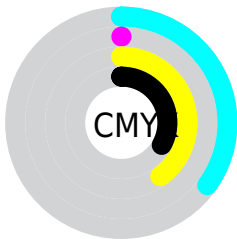
Blue (40%)



Red (40%)

Yellow (67%)

Blue (64%)

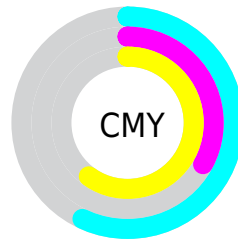


Cyan (35%)

Magenta (0%)

Yellow (40%)

Black (33%)



Cyan (57%)


Magenta (33%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0238, 0.3138, 0.4466 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 33.0238, 0.3138, 0.4466 by changing the saturation by 10% instead.


 33.0238, 0.3138,
0.4466


 33.0238, 0.3138,
0.4466


315.7570, 0.3154,
0.3811


 22.1447, 0.3124,
0.4653


 64.4127, 0.3150,
0.4211


 13.9632, 0.3097,
0.4908


 85.6912, 0.3153,
0.4120

 8.0951, 0.3045,
0.5273


 111.2051, 0.3154,
0.4046

 4.1559, 0.2932,
0.5829

 141.3385, 0.3155,
0.3984

 1.7611, 0.2797,
0.7203

176.4761, 0.3155,
0.3931

 0.4628, 0.0000,
1.0000

217.0021, 0.3155,

 0.0000, 0.0000,

0.3885

0.0000

263.3009, 0.3154,
0.3846

■ 33.0238, 0.3138,
0.4466

■ 33.0238, 0.3138,
0.4466

■ 31.8399, 0.3131,
0.4808

■ 34.4424, 0.3140,
0.4134

■ 30.8741, 0.3119,
0.5142

■ 36.1030, 0.3138,
0.3823

■ 30.1141, 0.3102,
0.5445


■ 38.0178, 0.3134,
0.3541


■ 29.5448, 0.3079,
0.5693

■ 40.1968, 0.3127,
0.3290

■ 29.1489, 0.3054,
0.5868


■ 42.6496, 0.3120,
0.3069

 28.8998, 0.3032,
0.5975

 45.3853, 0.3111,
0.2877

 48.4124, 0.3103,
0.2710

 51.7394, 0.3094,
0.2565

 55.3741, 0.3086,
0.2439

Harmonies

Analogous

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



33.0238, 0.3795, 0.4527



33.0238, 0.3138, 0.4466



33.0238, 0.2512, 0.3945

Triad

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



33.0238, 0.3138, 0.4466



33.0238, 0.2029, 0.2303



33.0238, 0.4280, 0.3200

Complementary

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



33.0238, 0.3138, 0.4466



20.0808, 0.3075, 0.2296

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.



33.0238, 0.3699, 0.2733



33.0238, 0.3138, 0.4466



33.0238, 0.2396, 0.2235

Square

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



33.0238, 0.3138, 0.4466



33.0238, 0.1920, 0.2629



33.0238, 0.2992, 0.2392



33.0238, 0.4502, 0.3718

Rectangle

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



33.0238, 0.3138, 0.4466



33.0238, 0.2196, 0.3461



33.0238, 0.2992, 0.2392



33.0238, 0.4118, 0.3035

Sweetspot

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



33.0252, 0.3138, 0.4466



68.1695, 0.3135, 0.3601



34.9718, 0.3760, 0.4147



15.1021, 0.3135, 0.3635



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.



33.0252, 0.3138, 0.4466



57.9929, 0.3132, 0.4769



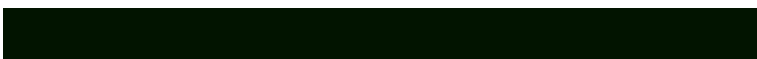
33.1046, 0.2888, 0.4038



8.4486, 0.3133, 0.3522



21.2719, 0.3036, 0.5972



0.5301, 0.3177, 0.5859

Inverse Universe

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



20.0808, 0.3075, 0.2296



31.2064, 0.3057, 0.2087



20.0924, 0.3487, 0.2650



7.6210, 0.3119, 0.3066



6.9159, 0.2918, 0.1381



0.1805, 0.3021, 0.1438

Previews

White Background



This preview shows how the Yxy color 33.0238, 0.3138, 0.4466 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 33.0238, 0.3138, 0.4466 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 33.0238, 0.3138, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 33.0238, 0.3138, 0.4466.



This preview shows how white text looks on a background with the Yxy color 33.0238, 0.3138, 0.4466.

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

33.0238, 0.3138, 0.4466

Protanopia

32.7222, 0.3836, 0.4157

Deuteranopia

32.5556, 0.3947, 0.3864



Tritanopia

32.7567, 0.2689, 0.3085

Trichromacy



Original Color

33.0238, 0.3138, 0.4466

Protanomaly

32.3194, 0.3566, 0.4271

Deuteranomaly

32.0660, 0.3628, 0.4077

Tritanomaly

32.5406, 0.2850, 0.3554

Monochromacy



Original Color

33.0238, 0.3138, 0.4466

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.2730, 0.3138, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0238, 0.3138, 0.4466 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, 170, 102)` looks like.

```
.text, #text, p{  
    color:rgb(110, 170, 102)  
}
```

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, 170, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 170, 102) }
```

Border

The CSS property to change the border of an element to Yxy 33.0238, 0.3138, 0.4466 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, 170, 102) }
```

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

```
.border{ border-color:rgb(110, 170, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 170, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 170, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 170, 102);  
box-shadow:4px 4px 4px 4px rgb(110, 170,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0238, 0.3138, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 170, 102) }
```

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

```
.background{ background-color: rgb(110,  
170, 102) }
```

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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