

Converting Colors

$Yxy(33.8315, 0.3256, 0.4191)$

Have a look what the booklet for
Yxy(33.8315, 0.3256, 0.4191)
contains.

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Color

Yxy(33.7128, 0.3265, 0.4192)

Conversions

Conversions Part 1

Format	Color
Hex	84A770
RGB	132, 167, 112
RGB Percent	52%, 65%, 44%
CMY	0.4824, 0.3451, 0.5608
CMYK	0.21, 0.00, 0.33, 0.35
HSL	98°, 24%, 55%
HSV	98°, 33%, 65%
XYZ	26.2577, 33.7128, 20.4513
YIQ	150.2650, -3.2050, -24.5250

Conversions

Conversions Part 2

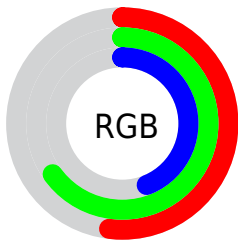
Format	Color
RYB	112, 167, 147
Decimal	8693616
CIELab	64.73, -22.35, 24.66
CIElCh	65, 33.278, 132.185
Yxy	33.7128, 0.3265, 0.4192
Android (android.graphics.Color)	4286883696 (0xFF84A770)
YUV	150.2650, -18.8646, -16.0184
Hunter-Lab	58.0627, -20.8867, 19.7604

Details

The Yxy color **33.7128, 0.3265, 0.4192** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.5823, 0.2931, 0.2432**, and the grayscale version is **30.7002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3620, 0.3248, 0.4001**, and **14.3697, 0.3286, 0.4530** is the 20% darker color. If you saturate the color by 10%, you get **32.5623, 0.3296, 0.4502**, and if you desaturate by 10%, it is **35.0225, 0.3227, 0.3894**.

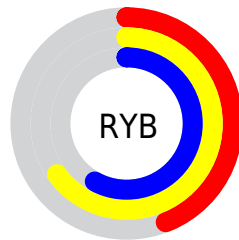
Distribution



Red (52%)

Green (65%)

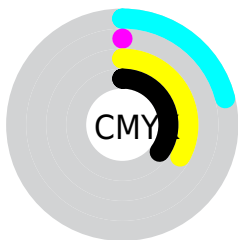
Blue (44%)



Red (44%)

Yellow (65%)

Blue (58%)

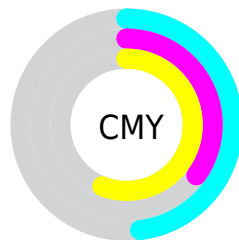


Cyan (21%)

Magenta (0%)

Yellow (33%)

Black (35%)



Cyan (48%)

Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7128, 0.3265, 0.4192 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 33.7128, 0.3265, 0.4192 by changing the saturation by 10% instead.


 33.7128, 0.3265,
0.4192


 33.7128, 0.3265,
0.4192


318.8495, 0.3204,
0.3698

 22.6731, 0.3275,
0.4330


 65.4868, 0.3246,
0.4002


 14.3523, 0.3285,
0.4517


 86.9898, 0.3238,
0.3934

 8.3661, 0.3289,
0.4782


 112.7494, 0.3231,
0.3877

 4.3301, 0.3275,
0.5183

 143.1500, 0.3224,
0.3830

 1.8599, 0.3469,
0.6353

178.5759, 0.3218,
0.3790

 0.5241, 0.0000,
1.0000

219.4115, 0.3213,

 0.0000, 0.0000,

0.3755

0.0000

266.0412, 0.3209,
0.3725

■ 33.7128, 0.3265,
0.4192

■ 33.7128, 0.3265,
0.4192

■ 32.5623, 0.3296,
0.4502

■ 35.0225, 0.3227,
0.3894

■ 31.5603, 0.3316,
0.4814

■ 36.4932, 0.3185,
0.3615

■ 30.7013, 0.3322,
0.5111


■ 38.1319, 0.3140,
0.3360


■ 29.9777, 0.3311,
0.5377

■ 39.9440, 0.3096,
0.3130

■ 29.3812, 0.3284,
0.5594

■ 41.9347, 0.3052,
0.2924

 28.9021, 0.3241,
0.5752

 44.1089, 0.3010,
0.2741

 28.6223, 0.3206,
0.5836

 46.4713, 0.2970,
0.2579

 49.0264, 0.2932,
0.2436

 51.2993, 0.2949,
0.2373

Harmonies

Analogous

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



33.7128, 0.3750, 0.4195



33.7128, 0.3265, 0.4192



33.7128, 0.2766, 0.3875

Triad

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



33.7128, 0.3265, 0.4192



33.7128, 0.2239, 0.2575



33.7128, 0.3914, 0.3150

Complementary

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



33.7128, 0.3265, 0.4192



20.5823, 0.2931, 0.2432

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.



33.7128, 0.3448, 0.2793



33.7128, 0.3265, 0.4192



33.7128, 0.2490, 0.2467

Square

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



33.7128, 0.3265, 0.4192



33.7128, 0.2201, 0.2887



33.7128, 0.2921, 0.2550



33.7128, 0.4152, 0.3557

Rectangle

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



33.7128, 0.3265, 0.4192



33.7128, 0.2492, 0.3543



33.7128, 0.2921, 0.2550



33.7128, 0.3777, 0.3022

Sweetspot

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



33.7143, 0.3265, 0.4192



66.1303, 0.3173, 0.3543



30.2025, 0.3701, 0.3819



14.7127, 0.3179, 0.3578



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.



33.7143, 0.3265, 0.4192



58.7455, 0.3290, 0.4433



32.4242, 0.3026, 0.4113



8.5355, 0.3169, 0.3520



21.9260, 0.3213, 0.5831



0.5624, 0.3492, 0.5609

Inverse Universe

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



20.5823, 0.2931, 0.2432



31.3193, 0.2871, 0.2217



22.3305, 0.3249, 0.2587



7.5283, 0.3082, 0.3064



4.5223, 0.2328, 0.1056



0.1374, 0.2629, 0.1222

Previews

White Background



This preview shows how the Yxy color 33.7128, 0.3265, 0.4192 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 33.7128, 0.3265, 0.4192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

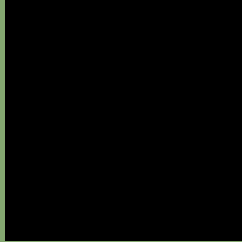
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7128, 0.3265, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 33.7128, 0.3265, 0.4192.



This preview shows how white text looks on a background with the Yxy color 33.7128, 0.3265, 0.4192.

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

33.7128, 0.3265, 0.4192

Protanopia

33.6317, 0.3714, 0.4014

Deuteranopia

33.3879, 0.3844, 0.3767



Tritanopia

33.4376, 0.2851, 0.3092

Trichromacy



Original Color

33.7128, 0.3265, 0.4192

Protanomaly

33.6618, 0.3550, 0.4090

Deuteranomaly

33.1217, 0.3620, 0.3905

Tritanomaly

33.4459, 0.3007, 0.3479

Monochromacy



Original Color

33.7128, 0.3265, 0.4192

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3941, 0.3181, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7128, 0.3265, 0.4192 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(132, 167, 112)` looks like.

```
.text, #text, p{  
    color:rgb(132, 167, 112)  
}
```

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(132, 167, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 167, 112) }
```

Border

The CSS property to change the border of an element to Yxy 33.7128, 0.3265, 0.4192 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(132, 167, 112) }
```

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

```
.border{ border-color:rgb(132, 167, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 167, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 167, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 167, 112);  
box-shadow:4px 4px 4px 4px rgb(132, 167,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7128, 0.3265, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 167, 112) }
```

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

```
.background{ background-color: rgb(132,  
167, 112) }
```

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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