

Converting Colors

$Yxy(33.7666, 0.2808, 0.3762)$

Have a look what the booklet for
Yxy(33.7666, 0.2808, 0.3762)
contains.

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Color

Yxy(33.7666, 0.2808, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	6AAA8E
RGB	106, 170, 142
RGB Percent	42%, 67%, 56%
CMY	0.5842, 0.3333, 0.4431
CMYK	0.38, 0.00, 0.16, 0.33
HSL	154°, 27%, 54%
HSV	154°, 38%, 67%
XYZ	25.2038, 33.7666, 30.7867
YIQ	147.6720, -29.1560, -22.2760

Conversions

Conversions Part 2

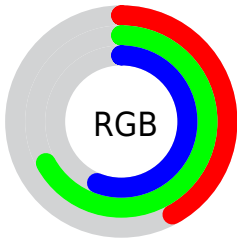
Format	Color
RYB	106, 147, 170
Decimal	6990478
CIELab	64.78, -26.95, 8.00
CIElCh	65, 28.112, 163.464
Yxy	33.7666, 0.2808, 0.3762
Android (android.graphics.Color)	4285180558 (0xFF6AAA8E)
YUV	147.6720, -2.7963, -36.5463
Hunter-Lab	58.1090, -24.2696, 9.2640

Details

The Yxy color **33.7666, 0.2808, 0.3762** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.5798, 0.3628, 0.2867**, and the grayscale version is **29.4945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8518, 0.2874, 0.3664**, and **14.2796, 0.2692, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **32.6114, 0.2742, 0.3914**, and if you desaturate by 10%, it is **35.1459, 0.2885, 0.3620**.

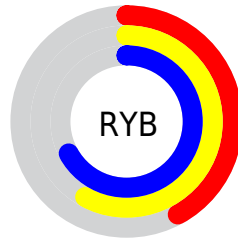
Distribution



Red (42%)

Green (67%)

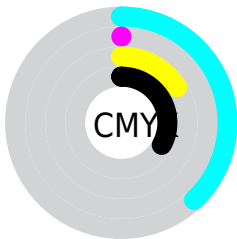
Blue (56%)



Red (42%)

Yellow (58%)

Blue (67%)

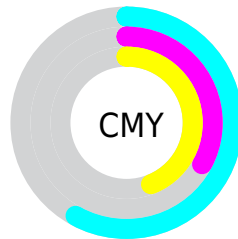


Cyan (38%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (58%)


Magenta (33%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7666, 0.2808, 0.3762 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 33.7666, 0.2808, 0.3762 by changing the saturation by 10% instead.


 33.7666, 0.2808,
0.3762


 33.7666, 0.2808,
0.3762


319.0901, 0.2980,
0.3506

 22.7144, 0.2761,
0.3834


 65.5705, 0.2873,
0.3664


 14.3827, 0.2697,
0.3930


 87.0910, 0.2897,
0.3628

 8.3873, 0.2608,
0.4069


 112.8697, 0.2917,
0.3599

 4.3438, 0.2471,
0.4283

 143.2910, 0.2933,
0.3575

 1.8677, 0.2239,
0.4656

178.7393, 0.2947,
0.3554

 0.5288, 0.0000,
0.9699

219.5990, 0.2959,

 0.0000, 0.0000,

0.3536

0.0000

266.2544, 0.2970,
0.3520

■ 33.7666, 0.2808,
0.3762

■ 33.7666, 0.2808,
0.3762

■ 32.6114, 0.2742,
0.3914

■ 35.1459, 0.2885,
0.3620

■ 31.6637, 0.2689,
0.4076

■ 36.7568, 0.2969,
0.3490

■ 30.9109, 0.2652,
0.4242

■ 38.6112, 0.3058,
0.3372


■ 30.3375, 0.2634,
0.4412


■ 40.7193, 0.3149,
0.3266

■ 29.9253, 0.2636,
0.4580

■ 43.0906, 0.3240,
0.3172

 29.6456, 0.2656,
0.4743

 45.7339, 0.3331,
0.3088

 29.5870, 0.2662,
0.4781

 48.6578, 0.3419,
0.3015

 51.8704, 0.3504,
0.2950

 54.6091, 0.3551,
0.2889

Harmonies

Analogous

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



33.7666, 0.3232, 0.4036



33.7666, 0.2808, 0.3762



33.7666, 0.2484, 0.3341

Triad

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



33.7666, 0.2808, 0.3762



33.7666, 0.2598, 0.2584



33.7666, 0.3994, 0.3542

Complementary

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



33.7666, 0.2808, 0.3762



20.5798, 0.3628, 0.2867

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.



33.7666, 0.3804, 0.3190



33.7666, 0.2808, 0.3762



33.7666, 0.2974, 0.2660

Square

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



33.7666, 0.2808, 0.3762



33.7666, 0.2372, 0.2676



33.7666, 0.3420, 0.2877



33.7666, 0.3931, 0.3863

Rectangle

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



33.7666, 0.2808, 0.3762



33.7666, 0.2361, 0.3062



33.7666, 0.3420, 0.2877



33.7666, 0.3958, 0.3425

Sweetspot

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



33.7680, 0.2808, 0.3762



68.8056, 0.3026, 0.3413



34.9253, 0.3333, 0.4321



15.2447, 0.3014, 0.3428



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.



33.7680, 0.2808, 0.3762



59.5236, 0.2753, 0.3886



33.5319, 0.2605, 0.3237



8.4758, 0.3043, 0.3391



21.7763, 0.2657, 0.4764



0.5398, 0.2506, 0.4221

Inverse Universe

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



20.5798, 0.3628, 0.2867



32.1708, 0.3788, 0.2776



20.5714, 0.4008, 0.3342



7.5948, 0.3220, 0.3192



6.6646, 0.5183, 0.2629



0.1725, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 33.7666, 0.2808, 0.3762 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 33.7666, 0.2808, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

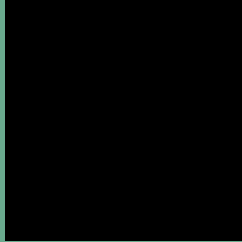
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7666, 0.2808, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 33.7666, 0.2808, 0.3762.

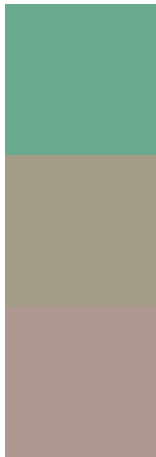


This preview shows how white text looks on a background with the Yxy color 33.7666, 0.2808, 0.3762.

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

33.7666, 0.2808, 0.3762

Protanopia

33.4187, 0.3406, 0.3605

Deuteranopia

33.3225, 0.3424, 0.3363



Tritanopia

33.7020, 0.2602, 0.3085

Trichromacy



Original Color

33.7666, 0.2808, 0.3762

Protanomaly

33.1644, 0.3158, 0.3654

Deuteranomaly

32.9821, 0.3166, 0.3491

Tritanomaly

33.7336, 0.2674, 0.3321

Monochromacy



Original Color

33.7666, 0.2808, 0.3762

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8388, 0.2995, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7666, 0.2808, 0.3762 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(106, 170, 142)` looks like.

```
.text, #text, p{  
    color:rgb(106, 170, 142)  
}
```

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(106, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 170, 142) }
```

Border

The CSS property to change the border of an element to Yxy 33.7666, 0.2808, 0.3762 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(106, 170, 142) }
```

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

```
.border{ border-color:rgb(106, 170, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 170, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 170, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 170, 142);  
box-shadow:4px 4px 4px 4px rgb(106, 170,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7666, 0.2808, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 170, 142) }
```

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

```
.background{ background-color: rgb(106,  
170, 142) }
```

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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