

Converting Colors

$Yxy(33.4553, 0.2770, 0.3677)$

Have a look what the booklet for
Yxy(33.4553, 0.2770, 0.3677)
contains.

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Color

Yxy(33.4545, 0.2770, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	69A992
RGB	105, 169, 146
RGB Percent	41%, 66%, 57%
CMY	0.5882, 0.3372, 0.4274
CMYK	0.38, 0.00, 0.14, 0.34
HSL	158°, 27%, 54%
HSV	158°, 38%, 66%
XYZ	25.2023, 33.4545, 32.3263
YIQ	147.2420, -30.7610, -20.7210

Conversions

Conversions Part 2

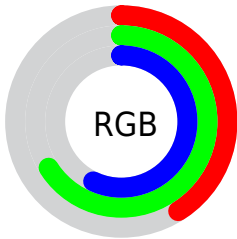
Format	Color
RYB	105, 144, 169
Decimal	6924690
CIELab	64.53, -25.88, 5.42
CIELCh	65, 26.440, 168.176
Yxy	33.4545, 0.2770, 0.3677
Android (android.graphics.Color)	4285114770 (0xFF69A992)
YUV	147.2420, -0.6123, -37.0462
Hunter-Lab	57.8399, -23.4427, 7.3511

Details

The Yxy color **33.4545, 0.2770, 0.3677** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0970, 0.3702, 0.2939**, and the grayscale version is **29.2958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3915, 0.2844, 0.3601**, and **14.3240, 0.2646, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **32.3482, 0.2696, 0.3800**, and if you desaturate by 10%, it is **34.7769, 0.2855, 0.3562**.

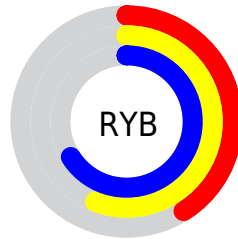
Distribution



Red (41%)

Green (66%)

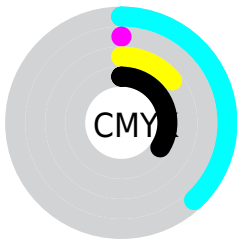
Blue (57%)



Red (41%)

Yellow (56%)

Blue (66%)

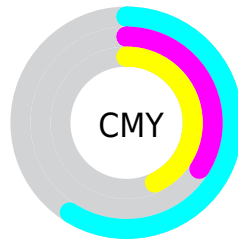


Cyan (38%)

Magenta (0%)

Yellow (14%)

Black (34%)



Cyan (59%)


Magenta (34%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4545, 0.2770, 0.3677 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 33.4545, 0.2770, 0.3677 by changing the saturation by 10% instead.


 33.4545, 0.2770,
0.3677


 33.4545, 0.2770,
0.3677


317.6928, 0.2960,
0.3468


 22.4748, 0.2718,
0.3735


 65.0845, 0.2842,
0.3597

 14.2062, 0.2649,
0.3813


 86.5036, 0.2868,
0.3568

 8.2642, 0.2552,
0.3924


 112.1713, 0.2890,
0.3545

 4.2645, 0.2406,
0.4095

 142.4720, 0.2909,
0.3524

 1.8226, 0.2162,
0.4388

177.7901, 0.2924,
0.3507

 0.5012, 0.0000,
0.7501

218.5100, 0.2938,

 0.0000, 0.0000,

0.3493

0.0000

265.0161, 0.2950,
0.3480

■ 33.4545, 0.2770,
0.3677

■ 33.4545, 0.2770,
0.3677

■ 32.3482, 0.2696,
0.3800

■ 34.7769, 0.2855,
0.3562

■ 31.4416, 0.2637,
0.3930

■ 36.3227, 0.2948,
0.3456

■ 30.7226, 0.2594,
0.4065


■ 38.1036, 0.3047,
0.3359


■ 30.1760, 0.2571,
0.4202


■ 40.1293, 0.3149,
0.3272


■ 29.7838, 0.2567,
0.4339


■ 42.4092, 0.3252,
0.3194

 29.5168, 0.2581,
0.4474

 44.9520, 0.3354,
0.3126

 29.4658, 0.2584,
0.4503

 47.7660, 0.3455,
0.3065

 50.8590, 0.3552,
0.3011

 53.8377, 0.3628,
0.2963

Harmonies

Analogous

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



33.4545, 0.3163, 0.3965



33.4545, 0.2770, 0.3677



33.4545, 0.2485, 0.3275

Triad

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



33.4545, 0.2770, 0.3677



33.4545, 0.2675, 0.2623



33.4545, 0.3952, 0.3583

Complementary

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



33.4545, 0.2770, 0.3677



20.0970, 0.3702, 0.2939

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.



33.4545, 0.3808, 0.3249



33.4545, 0.2770, 0.3677



33.4545, 0.3048, 0.2717

Square

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



33.4545, 0.2770, 0.3677



33.4545, 0.2434, 0.2685



33.4545, 0.3468, 0.2941



33.4545, 0.3856, 0.3873

Rectangle

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



33.4545, 0.2770, 0.3677



33.4545, 0.2386, 0.3021



33.4545, 0.3468, 0.2941



33.4545, 0.3930, 0.3473

Sweetspot

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



33.4559, 0.2770, 0.3677



67.1302, 0.3014, 0.3390



34.0225, 0.3283, 0.4345



14.5409, 0.3001, 0.3403



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.



33.4559, 0.2770, 0.3677



58.3111, 0.2710, 0.3774



31.1726, 0.2589, 0.3148



8.4856, 0.3033, 0.3372



21.9704, 0.2580, 0.4489



0.5438, 0.2457, 0.4043

Inverse Universe

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



20.0970, 0.3702, 0.2939



31.0906, 0.3882, 0.2867



21.3851, 0.3984, 0.3425



7.5852, 0.3232, 0.3209



6.5449, 0.5498, 0.2802



0.1690, 0.4607, 0.2311

Previews

White Background



This preview shows how the Yxy color 33.4545, 0.2770, 0.3677 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 33.4545, 0.2770, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

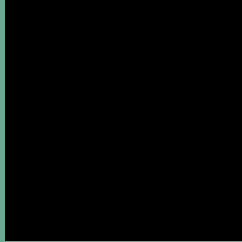
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4545, 0.2770, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 33.4545, 0.2770, 0.3677.

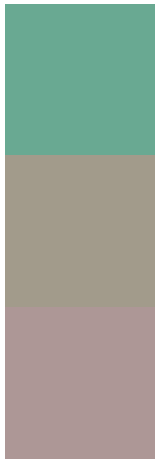


This preview shows how white text looks on a background with the Yxy color 33.4545, 0.2770, 0.3677.

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

33.4545, 0.2770, 0.3677

Protanopia

32.9882, 0.3349, 0.3531

Deuteranopia

33.2195, 0.3363, 0.3305



Tritanopia

33.2760, 0.2593, 0.3068

Trichromacy



Original Color

33.4545, 0.2770, 0.3677

Protanomaly

32.7573, 0.3104, 0.3576

Deuteranomaly

32.9195, 0.3111, 0.3429

Tritanomaly

33.3406, 0.2658, 0.3289

Monochromacy



Original Color

33.4545, 0.2770, 0.3677

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.4548, 0.2976, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4545, 0.2770, 0.3677 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(105, 169, 146)` looks like.

```
.text, #text, p{  
    color:rgb(105, 169, 146)  
}
```

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(105, 169, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 169, 146) }
```

Border

The CSS property to change the border of an element to Yxy 33.4545, 0.2770, 0.3677 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(105, 169, 146) }
```

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

```
.border{ border-color:rgb(105, 169, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 169, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 169, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 169, 146);  
box-shadow:4px 4px 4px 4px rgb(105, 169,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4545, 0.2770, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 169, 146) }
```

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

```
.background{ background-color: rgb(105,  
169, 146) }
```

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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