

Converting Colors

$Yxy(33.0927, 0.2772, 0.3754)$

Have a look what the booklet for
Yxy(33.0927, 0.2772, 0.3754)
contains.

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Color

$\text{Yxy}(33.0956, 0.2770, 0.3751)$

Conversions

Conversions Part 1

Format	Color
Hex	65A98E
RGB	101, 169, 142
RGB Percent	40%, 66%, 56%
CMY	0.6038, 0.3373, 0.4431
CMYK	0.40, 0.00, 0.16, 0.34
HSL	156°, 28%, 53%
HSV	156°, 40%, 66%
XYZ	24.4401, 33.0956, 30.6957
YIQ	145.5900, -31.8610, -22.8130

Conversions

Conversions Part 2

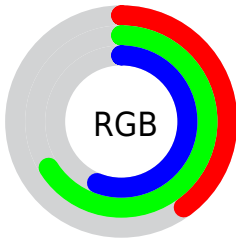
Format	Color
RYB	101, 143, 169
Decimal	6662542
CIELab	64.24, -27.90, 7.20
CIELCh	64, 28.819, 165.529
Yxy	33.0956, 0.2770, 0.3751
Android (android.graphics.Color)	4284852622 (0xFF65A98E)
YUV	145.5900, -1.7699, -39.1054
Hunter-Lab	57.5288, -24.8427, 8.6347

Details

The Yxy color **33.0956, 0.2770, 0.3751** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.3064, 0.3715, 0.2879**, and the grayscale version is **28.5886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8045, 0.2843, 0.3655**, and **13.8919, 0.2639, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **32.0238, 0.2703, 0.3890**, and if you desaturate by 10%, it is **34.3828, 0.2849, 0.3621**.

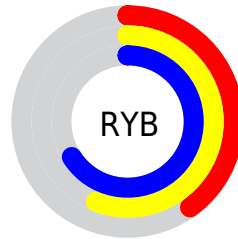
Distribution



Red (40%)

Green (66%)

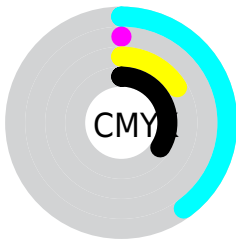
Blue (56%)



Red (40%)

Yellow (56%)

Blue (66%)

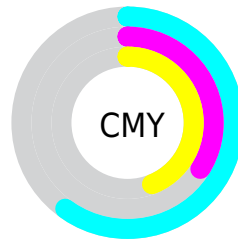


Cyan (40%)

Magenta (0%)

Yellow (16%)

Black (34%)



Cyan (60%)


Magenta (34%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0956, 0.2770, 0.3751 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 33.0956, 0.2770, 0.3751 by changing the saturation by 10% instead.


 33.0956, 0.2770,
0.3751


 33.0956, 0.2770,
0.3751


316.0803, 0.2962,
0.3500

 22.1997, 0.2717,
0.3821


 64.5248, 0.2843,
0.3655

 14.0037, 0.2647,
0.3916

 85.8268, 0.2870,
0.3620

 8.1232, 0.2546,
0.4053


 111.3663, 0.2891,
0.3592

 4.1739, 0.2394,
0.4264

 141.5278, 0.2910,
0.3568

 1.7713, 0.2137,
0.4633

176.6955, 0.2926,
0.3547

 0.4692, 0.0000,
0.9845

217.2539, 0.2939,

 0.0000, 0.0000,

0.3529

0.0000

263.5873, 0.2951,
0.3514

■ 33.0956, 0.2770,
0.3751

■ 33.0956, 0.2770,
0.3751

■ 32.0238, 0.2703,
0.3890

■ 34.3828, 0.2849,
0.3621

■ 31.1508, 0.2651,
0.4037

■ 35.8929, 0.2936,
0.3500

■ 30.4640, 0.2615,
0.4188


■ 37.6380, 0.3029,
0.3391


■ 29.9476, 0.2599,
0.4341

■ 39.6280, 0.3125,
0.3292

■ 29.5828, 0.2603,
0.4493

■ 41.8724, 0.3222,
0.3204

 29.3327, 0.2622,
0.4638

 44.3800, 0.3319,
0.3125

 47.1592, 0.3414,
0.3056

 50.2182, 0.3507,
0.2996

 53.5647, 0.3596,
0.2943

Harmonies

Analogous

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



33.0956, 0.3203, 0.4050



33.0956, 0.2770, 0.3751



33.0956, 0.2448, 0.3310

Triad

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



33.0956, 0.2770, 0.3751



33.0956, 0.2604, 0.2564



33.0956, 0.4026, 0.3573

Complementary

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



33.0956, 0.2770, 0.3751



19.3064, 0.3715, 0.2879

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.



33.0956, 0.3847, 0.3210



33.0956, 0.2770, 0.3751



33.0956, 0.2999, 0.2653

Square

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



33.0956, 0.2770, 0.3751



33.0956, 0.2359, 0.2644



33.0956, 0.3460, 0.2884



33.0956, 0.3942, 0.3899

Rectangle

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



33.0956, 0.2770, 0.3751



33.0956, 0.2330, 0.3027



33.0956, 0.3460, 0.2884



33.0956, 0.3995, 0.3452

Sweetspot

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



33.0969, 0.2770, 0.3751



66.7512, 0.3010, 0.3412



33.9213, 0.3312, 0.4410



14.4625, 0.2998, 0.3425



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.



33.0969, 0.2770, 0.3751



57.5942, 0.2711, 0.3871



31.5444, 0.2566, 0.3176



8.4808, 0.3038, 0.3381



21.8728, 0.2617, 0.4622



0.5418, 0.2480, 0.4129

Inverse Universe

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



19.3064, 0.3715, 0.2879



29.5438, 0.3906, 0.2794



20.0631, 0.4074, 0.3398



7.5898, 0.3226, 0.3201



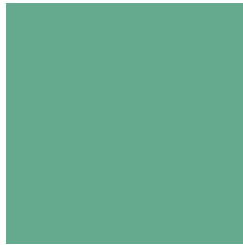
6.5994, 0.5348, 0.2720



0.1707, 0.4492, 0.2248

Previews

White Background



This preview shows how the Yxy color 33.0956, 0.2770, 0.3751 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 33.0956, 0.2770, 0.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

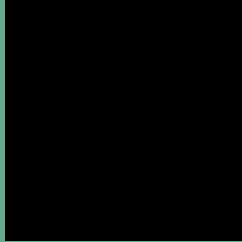
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0956, 0.2770, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 33.0956, 0.2770, 0.3751.



This preview shows how white text looks on a background with the Yxy color 33.0956, 0.2770, 0.3751.

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

33.0956, 0.2770, 0.3751

Protanopia

32.8733, 0.3387, 0.3593

Deuteranopia

32.7723, 0.3406, 0.3349



Tritanopia

33.0402, 0.2579, 0.3082

Trichromacy



Original Color

33.0956, 0.2770, 0.3751

Protanomaly

32.5520, 0.3130, 0.3642

Deuteranomaly

32.3613, 0.3138, 0.3478

Tritanomaly

33.0786, 0.2651, 0.3321

Monochromacy



Original Color

33.0956, 0.2770, 0.3751

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.9014, 0.2975, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0956, 0.2770, 0.3751 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(101, 169, 142)` looks like.

```
.text, #text, p{  
    color:rgb(101, 169, 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(101, 169, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 169, 142) }
```

Border

The CSS property to change the border of an element to Yxy 33.0956, 0.2770, 0.3751 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(101, 169, 142) }
```

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

```
.border{ border-color:rgb(101, 169, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 169, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 169, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 169, 142);  
box-shadow:4px 4px 4px 4px rgb(101, 169,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0956, 0.2770, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 169, 142) }
```

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

```
.background{ background-color: rgb(101,  
169, 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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