

Converting Colors

$Y_{xy}(33.2320, 0.2752, 0.3357)$

Have a look what the booklet for
Yxy(33.2320, 0.2752, 0.3357)
contains.

Yxy(33.3350, 0.2752, 0.3353)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3350, 0.2752, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	76A5A1
RGB	118, 165, 161
RGB Percent	46%, 65%, 63%
CMY	0.5373, 0.3529, 0.3685
CMYK	0.28, 0.00, 0.02, 0.35
HSL	175°, 21%, 55%
HSV	175°, 28%, 65%
XYZ	27.3600, 33.3350, 38.7235
YIQ	150.4910, -26.7280, -11.2080

Conversions

Conversions Part 2

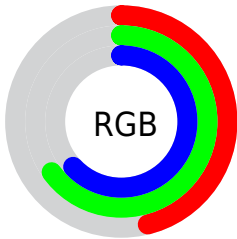
Format	Color
RYB	118, 143, 165
Decimal	7775649
CIELab	64.43, -16.55, -3.02
CIELCh	64, 16.823, 190.359
Yxy	33.3350, 0.2752, 0.3353
Android (android.graphics.Color)	4285965729 (0xFF76A5A1)
YUV	150.4910, 5.1809, -28.4946
Hunter-Lab	57.7365, -16.4519, 0.6501

Details

The Yxy color **33.3350, 0.2752, 0.3353** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.3580, 0.3684, 0.3229**, and the grayscale version is **30.7051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8022, 0.2821, 0.3337**, and **14.1293, 0.2623, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **32.2316, 0.2640, 0.3378**, and if you desaturate by 10%, it is **34.6437, 0.2876, 0.3329**.

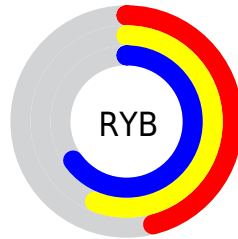
Distribution



Red (46%)

Green (65%)

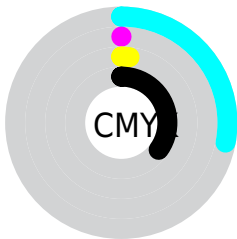
Blue (63%)



Red (46%)

Yellow (56%)

Blue (65%)

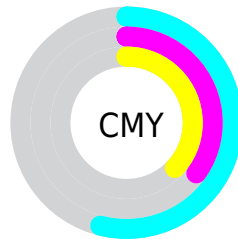


Cyan (28%)

Magenta (0%)

Yellow (2%)

Black (35%)



Cyan (54%)


Magenta (35%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3350, 0.2752, 0.3353 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 33.3350, 0.2752, 0.3353 by changing the saturation by 10% instead.


 33.3350, 0.2752,
0.3353


 33.3350, 0.2752,
0.3353

317.1566, 0.2949,
0.3322

 22.3832, 0.2700,
0.3361


 64.8982, 0.2826,
0.3342

 14.1387, 0.2631,
0.3370


 86.2784, 0.2853,
0.3337

 8.2172, 0.2536,
0.3383


 111.9035, 0.2875,
0.3334

 4.2343, 0.2395,
0.3400

142.1579, 0.2894,
0.3331

 1.8054, 0.2170,
0.3422

177.4260, 0.2911,
0.3328

 0.4906, 0.0480,
0.3778

218.0922, 0.2925,

 0.0000, 0.0000,

0.3326

0.0000

264.5410, 0.2938,
0.3324

■ 33.3350, 0.2752,
0.3353

■ 33.3350, 0.2752,
0.3353

■ 32.2316, 0.2640,
0.3378

■ 34.6437, 0.2876,
0.3329

■ 31.3190, 0.2543,
0.3405

■ 36.1634, 0.3009,
0.3307

■ 30.5870, 0.2463,
0.3433

■ 37.9046, 0.3149,
0.3287

■ 30.0228, 0.2401,
0.3461

■ 39.8760, 0.3292,
0.3269

■ 29.6122, 0.2357,
0.3489

■ 42.0855, 0.3437,
0.3253

■ 29.3384, 0.2331,
0.3517

■ 44.5411, 0.3582,
0.3238

■ 29.1705, 0.2321,
0.3545

■ 47.2500, 0.3724,
0.3226

■ 29.1476, 0.2319,
0.3549

■ 50.2194, 0.3863,
0.3215

■ 51.2110, 0.3895,
0.3202

Harmonies

Analogous

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



33.3350, 0.2964, 0.3588



33.3350, 0.2752, 0.3353



33.3350, 0.2640, 0.3110

Triad

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



33.3350, 0.2752, 0.3353



33.3350, 0.3012, 0.2888



33.3350, 0.3622, 0.3631

Complementary

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



33.3350, 0.2752, 0.3353



22.3580, 0.3684, 0.3229

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.



33.3350, 0.3640, 0.3434



33.3350, 0.2752, 0.3353



33.3350, 0.3279, 0.3017

Square

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



33.3350, 0.2752, 0.3353



33.3350, 0.2785, 0.2855



33.3350, 0.3512, 0.3213



33.3350, 0.3468, 0.3746

Rectangle

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



33.3350, 0.2752, 0.3353



33.3350, 0.2634, 0.2981



33.3350, 0.3512, 0.3213



33.3350, 0.3645, 0.3571

Sweetspot

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



33.3363, 0.2752, 0.3353



64.5685, 0.3000, 0.3309



32.4072, 0.3132, 0.4085



14.0290, 0.2981, 0.3312



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.3363, 0.2752, 0.3353



58.4461, 0.2682, 0.3368



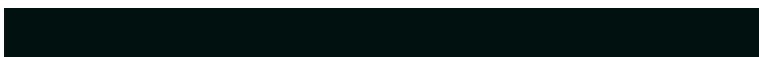
27.1861, 0.2691, 0.2977



8.0009, 0.2998, 0.3309



22.0532, 0.2319, 0.3547



0.4662, 0.2290, 0.3444

Inverse Universe

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



22.3580, 0.3684, 0.3229



35.6091, 0.3854, 0.3216



27.1403, 0.3657, 0.3582



7.0952, 0.3272, 0.3271



6.0788, 0.6282, 0.3234



0.1305, 0.5788, 0.2962

Previews

White Background



This preview shows how the Yxy color 33.3350, 0.2752, 0.3353 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 33.3350, 0.2752, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

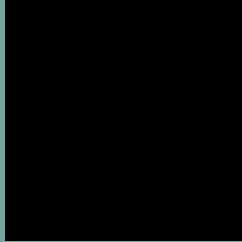
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3350, 0.2752, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 33.3350, 0.2752, 0.3353.

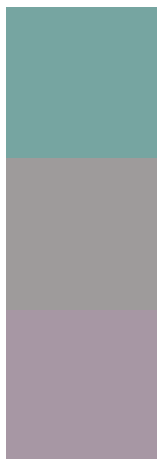


This preview shows how white text looks on a background with the Yxy color 33.3350, 0.2752, 0.3353.

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

33.3350, 0.2752, 0.3353

Protanopia

33.0783, 0.3157, 0.3290

Deuteranopia

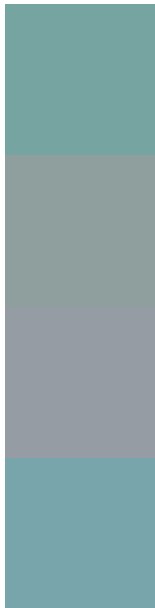
33.0290, 0.3166, 0.3103



Tritanopia

33.3939, 0.2663, 0.3086

Trichromacy



Original Color

33.3350, 0.2752, 0.3353

Protanomaly

33.0702, 0.2993, 0.3321

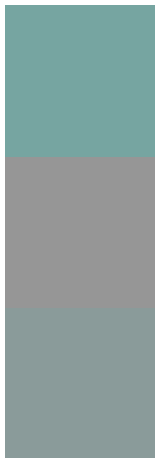
Deuteranomaly

32.8108, 0.2998, 0.3184

Tritanomaly

33.4843, 0.2693, 0.3178

Monochromacy



Original Color

33.3350, 0.2752, 0.3353

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.1791, 0.2972, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3350, 0.2752, 0.3353 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(118, 165, 161)` looks like.

```
.text, #text, p{  
    color:rgb(118, 165, 161)  
}
```

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(118, 165, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 165, 161) }
```

Border

The CSS property to change the border of an element to Yxy 33.3350, 0.2752, 0.3353 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(118, 165, 161) }
```

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

```
.border{ border-color:rgb(118, 165, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 165, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 165, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 165, 161);  
box-shadow:4px 4px 4px 4px rgb(118, 165,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3350, 0.2752, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 165, 161) }
```

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

```
.background{ background-color: rgb(118,  
165, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor