

Converting Colors

$Y_{xy}(33.7010, 0.2906, 0.3512)$

Have a look what the booklet for
Yxy(33.7010, 0.2906, 0.3512)
contains.

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Color

Yxy(33.7338, 0.2911, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	80A597
RGB	128, 165, 151
RGB Percent	50%, 65%, 59%
CMY	0.4980, 0.3529, 0.4078
CMYK	0.22, 0.00, 0.08, 0.35
HSL	157°, 17%, 57%
HSV	157°, 22%, 65%
XYZ	27.9451, 33.7338, 34.3194
YIQ	152.3410, -17.5580, -12.1980

Conversions

Conversions Part 2

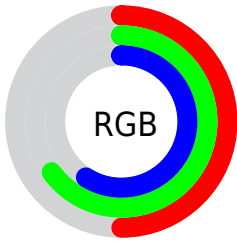
Format	Color
RYB	128, 151, 165
Decimal	8430999
CIELab	64.75, -15.59, 3.12
CIELCh	65, 15.897, 168.698
Yxy	33.7338, 0.2911, 0.3514
Android (android.graphics.Color)	4286621079 (0xFF80A597)
YUV	152.3410, -0.6611, -21.3471
Hunter-Lab	58.0808, -15.7576, 5.6227

Details

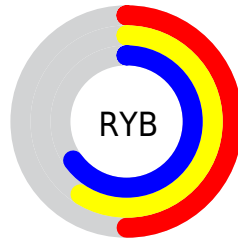
The Yxy color **33.7338, 0.2911, 0.3514** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.3949, 0.3407, 0.3077**, and the grayscale version is **31.5650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4179, 0.2953, 0.3470**, and **14.3501, 0.2842, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **32.3603, 0.2823, 0.3630**, and if you desaturate by 10%, it is **35.3289, 0.3005, 0.3408**.

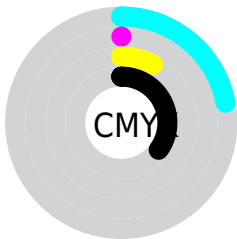
Distribution



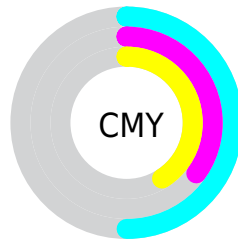
- Red (50%)
- Green (65%)
- Blue (59%)



- Red (50%)
- Yellow (59%)
- Blue (65%)



- Cyan (22%)
- Magenta (0%)
- Yellow (8%)
- Black (35%)



- Cyan (50%)
- Magenta (35%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7338, 0.2911, 0.3514 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 33.7338, 0.2911, 0.3514 by changing the saturation by 10% instead.

■ 33.7338, 0.2911,
0.3514

■ 33.7338, 0.2911,
0.3514

318.9434, 0.3026,
0.3394

■ 22.6892, 0.2880,
0.3547

■ 65.5195, 0.2954,
0.3469

■ 14.3642, 0.2839,
0.3590

■ 87.0293, 0.2970,
0.3452

■ 8.3744, 0.2781,
0.3652

■ 112.7964, 0.2983,
0.3438

■ 4.3354, 0.2694,
0.3746

143.2050, 0.2994,
0.3427

■ 1.8629, 0.2550,
0.3905

178.6397, 0.3004,
0.3417

■ 0.5259, 0.1193,
0.5259

219.4847, 0.3012,

■ 0.0000, 0.0000,

0.3409

0.0000

266.1245, 0.3019,
0.3401

■ 33.7338, 0.2911,
0.3514

■ 33.7338, 0.2911,
0.3514

■ 32.3603, 0.2823,
0.3630

■ 35.3289, 0.3005,
0.3408

■ 31.1941, 0.2745,
0.3756

■ 37.1509, 0.3103,
0.3312

■ 30.2254, 0.2679,
0.3889

■ 39.2102, 0.3203,
0.3226

■ 29.4422, 0.2629,
0.4029

■ 41.5152, 0.3303,
0.3149

■ 28.8310, 0.2596,
0.4173

■ 44.0741, 0.3401,
0.3081

■ 28.3764, 0.2583,
0.4318

■ 46.8943, 0.3497,
0.3022

■ 28.0602, 0.2589,
0.4461

■ 49.9834, 0.3589,
0.2970

■ 27.8810, 0.2602,
0.4569

■ 52.3847, 0.3634,
0.2918

■ 52.6844, 0.3576,
0.2855

Harmonies

Analogous

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



33.7338, 0.3151, 0.3681



33.7338, 0.2911, 0.3514



33.7338, 0.2733, 0.3284

Triad

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



33.7338, 0.2911, 0.3514



33.7338, 0.2857, 0.2878



33.7338, 0.3619, 0.3483

Complementary

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



33.7338, 0.2911, 0.3514



25.3949, 0.3407, 0.3077

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.



33.7338, 0.3535, 0.3276



33.7338, 0.2911, 0.3514



33.7338, 0.3088, 0.2936

Square

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



33.7338, 0.2911, 0.3514



33.7338, 0.2703, 0.2922



33.7338, 0.3338, 0.3079



33.7338, 0.3564, 0.3651

Rectangle

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



33.7338, 0.2911, 0.3514



33.7338, 0.2671, 0.3133



33.7338, 0.3338, 0.3079



33.7338, 0.3606, 0.3416

Sweetspot

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



33.7352, 0.2911, 0.3514



64.9448, 0.3057, 0.3356



34.2370, 0.3232, 0.3877



14.1592, 0.3051, 0.3361



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.



33.7352, 0.2911, 0.3514



59.1189, 0.2866, 0.3572



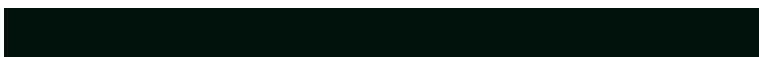
32.6867, 0.2797, 0.3221



7.9656, 0.3036, 0.3376



21.1023, 0.2598, 0.4554



0.4522, 0.2455, 0.4039

Inverse Universe

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



25.3949, 0.3407, 0.3077



41.4504, 0.3490, 0.3026



26.1505, 0.3558, 0.3358



7.1282, 0.3228, 0.3205



6.3273, 0.5419, 0.2759



0.1420, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 33.7338, 0.2911, 0.3514 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 33.7338, 0.2911, 0.3514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

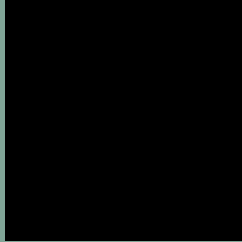
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7338, 0.2911, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 33.7338, 0.2911, 0.3514.

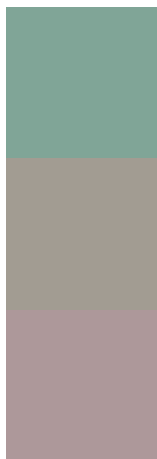


This preview shows how white text looks on a background with the Yxy color 33.7338, 0.2911, 0.3514.

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

33.7338, 0.2911, 0.3514

Protanopia

33.5336, 0.3280, 0.3440

Deuteranopia

33.6738, 0.3322, 0.3262



Tritanopia

33.8832, 0.2771, 0.3105

Trichromacy



Original Color

33.7338, 0.2911, 0.3514

Protanomaly

33.4184, 0.3139, 0.3459

Deuteranomaly

33.5819, 0.3164, 0.3350

Tritanomaly

33.7729, 0.2817, 0.3242

Monochromacy



Original Color

33.7338, 0.2911, 0.3514

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2206, 0.3037, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7338, 0.2911, 0.3514 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(128, 165, 151)` looks like.

```
.text, #text, p{  
    color:rgb(128, 165, 151)  
}
```

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(128, 165, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 165, 151) }
```

Border

The CSS property to change the border of an element to Yxy 33.7338, 0.2911, 0.3514 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(128, 165, 151) }
```

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

```
.border{ border-color:rgb(128, 165, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 165, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 165, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 165, 151);  
box-shadow:4px 4px 4px 4px rgb(128, 165,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7338, 0.2911, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 165, 151) }
```

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

```
.background{ background-color: rgb(128,  
165, 151) }
```

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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