

Converting Colors

$Y_{xy}(37.1818, 0.2659, 0.3147)$

Have a look what the booklet for
Yxy(37.1818, 0.2659, 0.3147)
contains.

Yxy(37.0934, 0.2653, 0.3138)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.0934, 0.2653, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	7BACB6
RGB	123, 172, 182
RGB Percent	48%, 67%, 71%
CMY	0.5177, 0.3255, 0.2863
CMYK	0.32, 0.05, 0.00, 0.29
HSL	190°, 29%, 60%
HSV	190°, 32%, 71%
XYZ	31.3604, 37.0934, 49.7534
YIQ	158.4890, -32.4140, -7.2780

Conversions

Conversions Part 2

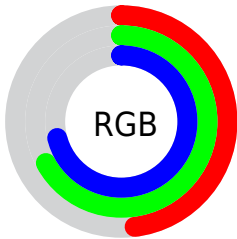
Format	Color
RYB	123, 150, 182
Decimal	8105142
CIELab	67.35, -13.75, -10.34
CIElCh	67, 17.208, 216.950
Yxy	37.0934, 0.2653, 0.3138
Android (android.graphics.Color)	4286295222 (0xFF7BACB6)
YUV	158.4890, 11.5909, -31.1239
Hunter-Lab	60.9044, -14.6709, -5.8016

Details

The Yxy color **37.0934, 0.2653, 0.3138** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.1345, 0.3815, 0.3436**, and the grayscale version is **34.3814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4583, 0.2740, 0.3163**, and **16.3575, 0.2512, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **34.7180, 0.2524, 0.3084**, and if you desaturate by 10%, it is **39.7484, 0.2792, 0.3189**.

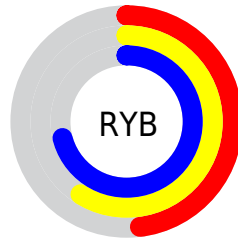
Distribution



Red (48%)

Green (67%)

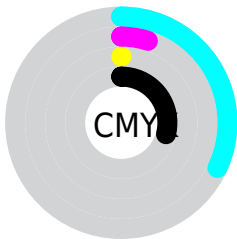
Blue (71%)



Red (48%)

Yellow (59%)

Blue (71%)

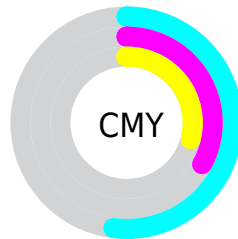


Cyan (32%)

Magenta (5%)

Yellow (0%)

Black (29%)



Cyan (52%)


Magenta (33%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0934, 0.2653, 0.3138 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 37.0934, 0.2653, 0.3138 by changing the saturation by 10% instead.

 37.0934, 0.2653,
0.3138


 37.0934, 0.2653,
0.3138


333.7147, 0.2895,
0.3221


 25.2798, 0.2591,
0.3115


 70.7164, 0.2742,
0.3170

 16.2857, 0.2510,
0.3084


 93.2946, 0.2775,
0.3181

 9.7265, 0.2402,
0.3040


 120.2298, 0.2803,
0.3191

 5.2180, 0.2248,
0.2974

151.9064, 0.2827,
0.3199

 2.3757, 0.2013,
0.2864

188.7088, 0.2848,
0.3205

 0.8134, 0.1451,
0.2699

231.0214, 0.2866,

 0.0000, 0.0000,

0.3211

0.0000

279.2286, 0.2881,
0.3216

■ 37.0934, 0.2653,
0.3138

■ 37.0934, 0.2653,
0.3138

■ 34.7180, 0.2524,
0.3084

■ 39.7484, 0.2792,
0.3189

■ 32.6036, 0.2408,
0.3027

■ 42.6914, 0.2939,
0.3237

■ 30.7364, 0.2309,
0.2968

■ 45.9360, 0.3090,
0.3280

■ 29.0991, 0.2227,
0.2908

■ 49.4936, 0.3243,
0.3320

■ 27.6723, 0.2164,
0.2847

■ 53.3749, 0.3395,
0.3355

■ 26.4324, 0.2120,
0.2788

■ 57.5901, 0.3545,
0.3386

■ 25.5817, 0.2095,
0.2742

■ 62.1488, 0.3691,
0.3414

■ 64.3963, 0.3720,
0.3444

■ 65.8041, 0.3712,
0.3476

Harmonies

Analogous

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



37.0934, 0.2776, 0.3381



37.0934, 0.2653, 0.3138



37.0934, 0.2651, 0.2952

Triad

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



37.0934, 0.2653, 0.3138



37.0934, 0.3248, 0.3002



37.0934, 0.3487, 0.3733

Complementary

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



37.0934, 0.2653, 0.3138



28.1345, 0.3815, 0.3436

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.



37.0934, 0.3625, 0.3607



37.0934, 0.2653, 0.3138



37.0934, 0.3485, 0.3190

Square

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



37.0934, 0.2653, 0.3138



37.0934, 0.2985, 0.2884



37.0934, 0.3626, 0.3408



37.0934, 0.3254, 0.3737

Rectangle

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



37.0934, 0.2653, 0.3138



37.0934, 0.2717, 0.2881



37.0934, 0.3626, 0.3408



37.0934, 0.3546, 0.3703

Sweetspot

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



37.0949, 0.2653, 0.3138



78.6924, 0.2973, 0.3247



39.3468, 0.3012, 0.4071



17.2045, 0.2952, 0.3240



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.0949, 0.2653, 0.3138



64.0983, 0.2558, 0.3099



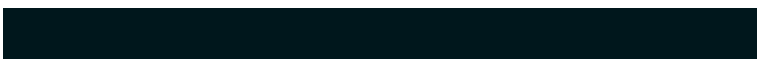
27.1251, 0.2596, 0.2670



9.9453, 0.2985, 0.3250



18.1534, 0.2097, 0.2749



0.7092, 0.2140, 0.2903

Inverse Universe

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



27.0825, 0.3271, 0.2620



43.4259, 0.3311, 0.2472



37.3245, 0.3687, 0.3840



9.1360, 0.3163, 0.3102



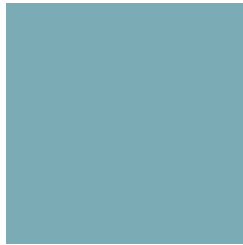
8.6149, 0.3682, 0.1802



0.3107, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 37.0934, 0.2653, 0.3138 looks on a white background.

Color Contrast Check

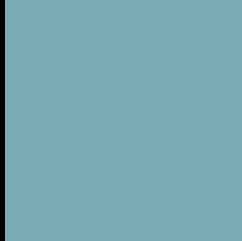
Large Text (above 18pt) WCAG AA × Fail

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 37.0934, 0.2653, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

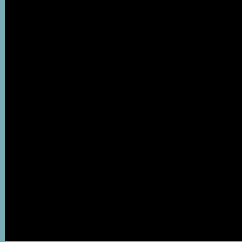
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0934, 0.2653, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 37.0934, 0.2653, 0.3138.



This preview shows how white text looks on a background with the Yxy color 37.0934, 0.2653, 0.3138.

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

37.0934, 0.2653, 0.3138

Protanopia

36.7618, 0.3016, 0.3092

Deuteranopia

36.7341, 0.2995, 0.2933



Tritanopia

36.9137, 0.2638, 0.3079

Trichromacy



Original Color

37.0934, 0.2653, 0.3138

Protanomaly

36.7827, 0.2869, 0.3115

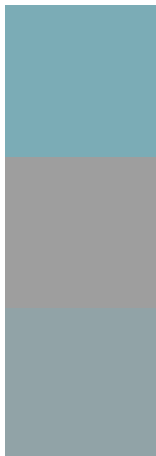
Deuteranomaly

36.6870, 0.2855, 0.3003

Tritanomaly

36.8716, 0.2645, 0.3093

Monochromacy



Original Color

37.0934, 0.2653, 0.3138

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.0041, 0.2929, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0934, 0.2653, 0.3138 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(123, 172, 182)` looks like.

```
.text, #text, p{  
    color:rgb(123, 172, 182)  
}
```

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(123, 172, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 172, 182) }
```

Border

The CSS property to change the border of an element to Yxy 37.0934, 0.2653, 0.3138 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(123, 172, 182) }
```

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

```
.border{ border-color:rgb(123, 172, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 172, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 172, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 172, 182);  
box-shadow:4px 4px 4px 4px rgb(123, 172,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0934, 0.2653, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 172, 182) }
```

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

```
.background{ background-color: rgb(123,  
172, 182) }
```

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