

Converting Colors

$Y_{xy}(37.8152, 0.2544, 0.3127)$

Have a look what the booklet for
Yxy(37.8152, 0.2544, 0.3127)
contains.

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Color

Yxy(37.9108, 0.2550, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	6EB0BA
RGB	110, 176, 186
RGB Percent	43%, 69%, 73%
CMY	0.5683, 0.3098, 0.2706
CMYK	0.41, 0.05, 0.00, 0.27
HSL	188°, 35%, 58%
HSV	188°, 41%, 73%
XYZ	30.8267, 37.9108, 52.1515
YIQ	157.4060, -42.5460, -10.8820

Conversions

Conversions Part 2

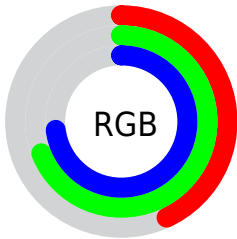
Format	Color
RYB	110, 145, 186
Decimal	7254202
CIELab	67.95, -18.34, -11.73
CIElCh	68, 21.774, 212.604
Yxy	37.9108, 0.2550, 0.3136
Android (android.graphics.Color)	4285444282 (0xFF6EB0BA)
YUV	157.4060, 14.0968, -41.5751
Hunter-Lab	61.5717, -18.3822, -7.1187

Details

The Yxy color **37.9108, 0.2550, 0.3136** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.0256, 0.4090, 0.3435**, and the grayscale version is **33.8677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1234, 0.2658, 0.3174**, and **16.7001, 0.2381, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **35.8868, 0.2436, 0.3092**, and if you desaturate by 10%, it is **40.2057, 0.2678, 0.3178**.

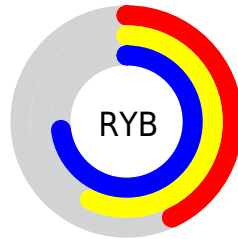
Distribution



Red (43%)

Green (69%)

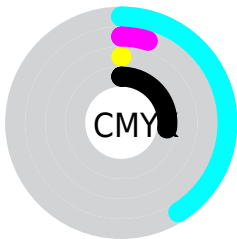
Blue (73%)



Red (43%)

Yellow (57%)

Blue (73%)

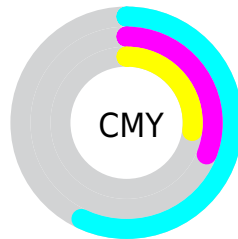


Cyan (41%)

Magenta (5%)

Yellow (0%)

Black (27%)



Cyan (57%)


Magenta (31%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9108, 0.2550, 0.3136 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 37.9108, 0.2550, 0.3136 by changing the saturation by 10% instead.


 37.9108, 0.2550,
0.3136


 37.9108, 0.2550,
0.3136


337.2372, 0.2843,
0.3222

 25.9135, 0.2476,
0.3112


 71.9714, 0.2657,
0.3169


 16.7589, 0.2380,
0.3079


 94.8034, 0.2697,
0.3181

 10.0628, 0.2253,
0.3032


 122.0159, 0.2731,
0.3191

 5.4406, 0.2074,
0.2961

 153.9930, 0.2760,
0.3199

 2.5080, 0.1807,
0.2841

191.1194, 0.2785,
0.3206

 0.8806, 0.1180,
0.2669

233.7792, 0.2807,

 0.0000, 0.0000,

0.3212

0.0000

282.3570, 0.2826,
0.3217

■ 37.9108, 0.2550,
0.3136

■ 37.9108, 0.2550,
0.3136

■ 35.8868, 0.2436,
0.3092

■ 40.2057, 0.2678,
0.3178

■ 34.1133, 0.2338,
0.3047

■ 42.7815, 0.2816,
0.3217

■ 32.5741, 0.2259,
0.3001


■ 45.6532, 0.2963,
0.3254


■ 31.2492, 0.2198,
0.2955

■ 48.8332, 0.3115,
0.3287

■ 30.1146, 0.2156,
0.2909

■ 52.3333, 0.3269,
0.3318

 29.1968, 0.2130,
0.2867

 56.1646, 0.3422,
0.3345

 60.3378, 0.3574,
0.3369

 64.1174, 0.3690,
0.3392

 65.2312, 0.3684,
0.3417

Harmonies

Analogous

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



37.9108, 0.2721, 0.3448



37.9108, 0.2550, 0.3136



37.9108, 0.2525, 0.2890

Triad

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



37.9108, 0.2550, 0.3136



37.9108, 0.3228, 0.2905



37.9108, 0.3611, 0.3830

Complementary

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



37.9108, 0.2550, 0.3136



25.0256, 0.4090, 0.3435

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.



37.9108, 0.3765, 0.3650



37.9108, 0.2550, 0.3136



37.9108, 0.3540, 0.3126

Square

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



37.9108, 0.2550, 0.3136



37.9108, 0.2903, 0.2775



37.9108, 0.3740, 0.3393



37.9108, 0.3329, 0.3867

Rectangle

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



37.9108, 0.2550, 0.3136



37.9108, 0.2593, 0.2793



37.9108, 0.3740, 0.3393



37.9108, 0.3680, 0.3783

Sweetspot

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



37.9123, 0.2550, 0.3136



81.9891, 0.2942, 0.3249



39.7725, 0.3011, 0.4382



17.9006, 0.2923, 0.3244



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.9123, 0.2550, 0.3136



65.3886, 0.2447, 0.3097



25.3857, 0.2456, 0.2538



10.0030, 0.2985, 0.3259



19.7192, 0.2131, 0.2873



0.7518, 0.2164, 0.2990

Inverse Universe

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



24.7442, 0.3286, 0.2414



38.7468, 0.3329, 0.2237



35.6494, 0.3877, 0.3936



9.1418, 0.3157, 0.3094



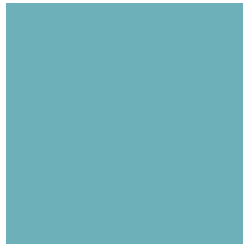
8.7730, 0.3568, 0.1739



0.3150, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 37.9108, 0.2550, 0.3136 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 37.9108, 0.2550, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

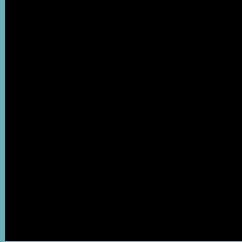
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9108, 0.2550, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 37.9108, 0.2550, 0.3136.

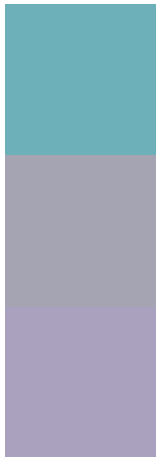


This preview shows how white text looks on a background with the Yxy color 37.9108, 0.2550, 0.3136.

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

37.9108, 0.2550, 0.3136

Protanopia

37.6578, 0.3008, 0.3093

Deuteranopia

37.5989, 0.2962, 0.2908



Tritanopia

37.7572, 0.2529, 0.3062

Trichromacy



Original Color

37.9108, 0.2550, 0.3136

Protanomaly

37.2708, 0.2815, 0.3100

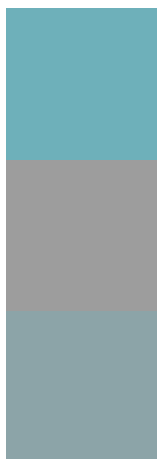
Deuteranomaly

37.1992, 0.2793, 0.2975

Tritanomaly

37.7136, 0.2535, 0.3077

Monochromacy



Original Color

37.9108, 0.2550, 0.3136

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9535, 0.2878, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9108, 0.2550, 0.3136 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(110, 176, 186)` looks like.

```
.text, #text, p{  
    color:rgb(110, 176, 186)  
}
```

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(110, 176, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 176, 186) }
```

Border

The CSS property to change the border of an element to Yxy 37.9108, 0.2550, 0.3136 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(110, 176, 186) }
```

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

```
.border{ border-color:rgb(110, 176, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 176, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 176, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 176, 186);  
box-shadow:4px 4px 4px 4px rgb(110, 176,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9108, 0.2550, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 176, 186) }
```

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

```
.background{ background-color: rgb(110,  
176, 186) }
```

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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