

Converting Colors

$Y_{xy}(37.8118, 0.2883, 0.3262)$

Have a look what the booklet for
Yxy(37.8118, 0.2883, 0.3262)
contains.

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Color

Yxy(37.6573, 0.2885, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	90AAAC
RGB	144, 170, 172
RGB Percent	56%, 67%, 67%
CMY	0.4351, 0.3333, 0.3256
CMYK	0.16, 0.01, 0.00, 0.33
HSL	184°, 14%, 62%
HSV	184°, 16%, 67%
XYZ	33.3256, 37.6573, 44.5303
YIQ	162.4540, -16.1380, -4.8900

Conversions

Conversions Part 2

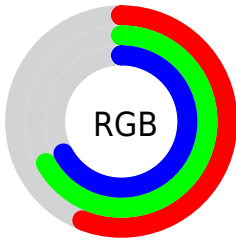
Format	Color
RYB	144, 157, 172
Decimal	9480876
CIELab	67.77, -8.49, -4.03
CIELCh	68, 9.400, 205.380
Yxy	37.6573, 0.2885, 0.3260
Android (android.graphics.Color)	4287670956 (0xFF90AAAC)
YUV	162.4540, 4.7062, -16.1842
Hunter-Lab	61.3655, -10.4524, -0.0683

Details

The Yxy color **37.6573, 0.2885, 0.3260** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3463, 0.3424, 0.3320**, and the grayscale version is **36.3415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4022, 0.2932, 0.3267**, and **16.6401, 0.2807, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **35.7709, 0.2746, 0.3240**, and if you desaturate by 10%, it is **39.7870, 0.3032, 0.3279**.

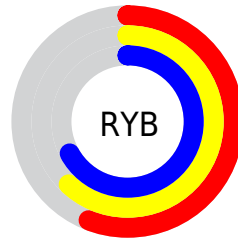
Distribution



Red (56%)

Green (67%)

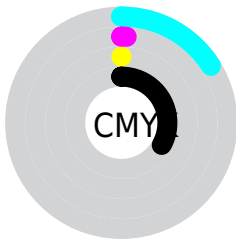
Blue (67%)



Red (56%)

Yellow (62%)

Blue (67%)

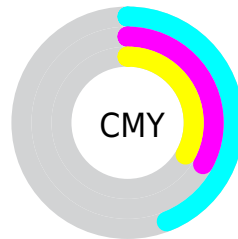


Cyan (16%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (44%)


Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6573, 0.2885, 0.3260 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 37.6573, 0.2885, 0.3260 by changing the saturation by 10% instead.


 37.6573, 0.2885,
0.3260


 37.6573, 0.2885,
0.3260


336.1476, 0.3010,
0.3277

 25.7168, 0.2853,
0.3255


 71.5826, 0.2931,
0.3266

 16.6119, 0.2810,
0.3249


 94.3361, 0.2948,
0.3269

 9.9582, 0.2753,
0.3240


121.4629, 0.2963,
0.3271

 5.3712, 0.2670,
0.3225

153.3471, 0.2975,
0.3272

 2.4667, 0.2540,
0.3201

190.3733, 0.2985,
0.3274

 0.8599, 0.2250,
0.3172

232.9259, 0.2994,

 0.0000, 0.0000,

0.3275

0.0000

281.3892, 0.3003,
0.3276

■ 37.6573, 0.2885,
0.3260

■ 37.6573, 0.2885,
0.3260

■ 35.7709, 0.2746,
0.3240

■ 39.7870, 0.3032,
0.3279

■ 34.1125, 0.2618,
0.3218

■ 42.1652, 0.3185,
0.3296

■ 32.6721, 0.2504,
0.3195

■ 44.8030, 0.3340,
0.3312

■ 31.4373, 0.2406,
0.3172

■ 47.7093, 0.3496,
0.3326

■ 30.3943, 0.2325,
0.3148

■ 50.8924, 0.3649,
0.3339

■ 29.5277, 0.2264,
0.3124

■ 54.3606, 0.3800,
0.3350

■ 28.8195, 0.2220,
0.3100

■ 56.2906, 0.3864,
0.3361

■ 28.2456, 0.2194,
0.3077

■ 56.7798, 0.3860,
0.3374

■ 28.0453, 0.2186,
0.3068

■ 57.2734, 0.3856,
0.3387

Harmonies

Analogous

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



37.6573, 0.2977, 0.3390



37.6573, 0.2885, 0.3260



37.6573, 0.2856, 0.3142

Triad

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



37.6573, 0.2885, 0.3260



37.6573, 0.3139, 0.3099



37.6573, 0.3360, 0.3513

Complementary

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



37.6573, 0.2885, 0.3260



31.3463, 0.3424, 0.3320

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.



37.6573, 0.3406, 0.3429



37.6573, 0.2885, 0.3260



37.6573, 0.3277, 0.3192

Square

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



37.6573, 0.2885, 0.3260



37.6573, 0.3000, 0.3053



37.6573, 0.3375, 0.3312



37.6573, 0.3251, 0.3538

Rectangle

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



37.6573, 0.2885, 0.3260



37.6573, 0.2876, 0.3087



37.6573, 0.3375, 0.3312



37.6573, 0.3383, 0.3490

Sweetspot

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



37.6589, 0.2885, 0.3260



72.6756, 0.3050, 0.3281



37.5016, 0.3092, 0.3688



15.7332, 0.3039, 0.3280



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.6589, 0.2885, 0.3260



67.2323, 0.2841, 0.3254



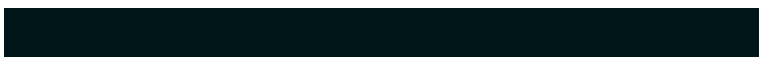
32.7360, 0.2876, 0.3051



8.9734, 0.2986, 0.3273



20.9097, 0.2186, 0.3071



0.6099, 0.2206, 0.3142

Inverse Universe

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



31.6282, 0.3165, 0.2923



54.5112, 0.3173, 0.2852



35.8797, 0.3392, 0.3518



8.1381, 0.3148, 0.3082



8.4139, 0.3392, 0.1642



0.2369, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 37.6573, 0.2885, 0.3260 looks on a white background.

Color Contrast Check

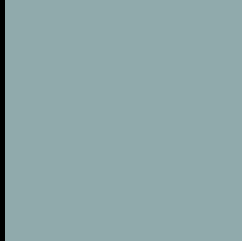
Large Text (above 18pt) WCAG AA × Fail

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 37.6573, 0.2885, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

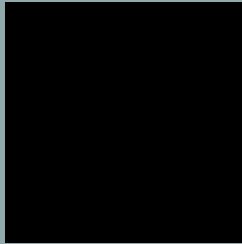
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6573, 0.2885, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 37.6573, 0.2885, 0.3260.

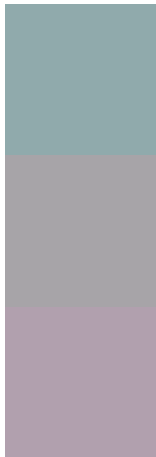


This preview shows how white text looks on a background with the Yxy color 37.6573, 0.2885, 0.3260.

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

37.6573, 0.2885, 0.3260

Protanopia

37.5936, 0.3120, 0.3233

Deuteranopia

37.5447, 0.3165, 0.3099



Tritanopia

37.4937, 0.2824, 0.3086

Trichromacy



Original Color

37.6573, 0.2885, 0.3260

Protanomaly

37.5079, 0.3038, 0.3247

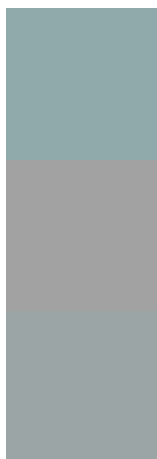
Deuteranomaly

37.5674, 0.3059, 0.3163

Tritanomaly

37.6100, 0.2846, 0.3158

Monochromacy



Original Color

37.6573, 0.2885, 0.3260

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.6320, 0.3027, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6573, 0.2885, 0.3260 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(144, 170, 172)` looks like.

```
.text, #text, p{  
    color:rgb(144, 170, 172)  
}
```

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(144, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 170, 172) }
```

Border

The CSS property to change the border of an element to Yxy 37.6573, 0.2885, 0.3260 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(144, 170, 172) }
```

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

```
.border{ border-color:rgb(144, 170, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 170, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 170, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 170, 172);  
box-shadow:4px 4px 4px 4px rgb(144, 170,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6573, 0.2885, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 170, 172) }
```

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

```
.background{ background-color: rgb(144,  
170, 172) }
```

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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