

Converting Colors

$Yxy(37.6240, 0.2677, 0.3228)$

Have a look what the booklet for
Yxy(37.6240, 0.2677, 0.3228)
contains.

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Color

Yxy(37.6240, 0.2677, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	7AAEB2
RGB	122, 174, 178
RGB Percent	48%, 68%, 70%
CMY	0.5214, 0.3177, 0.3020
CMYK	0.31, 0.02, 0.00, 0.30
HSL	184°, 27%, 59%
HSV	184°, 31%, 70%
XYZ	31.2018, 37.6240, 47.7293
YIQ	158.9080, -32.2760, -9.7800

Conversions

Conversions Part 2

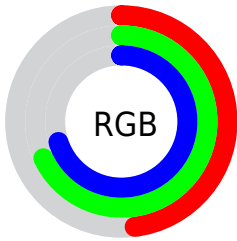
Format	Color
RYB	122, 149, 178
Decimal	8040114
CIELab	67.74, -16.04, -7.54
CIELCh	68, 17.726, 205.190
Yxy	37.6240, 0.2677, 0.3228
Android (android.graphics.Color)	4286230194 (0xFF7AAEB2)
YUV	158.9080, 9.4124, -32.3683
Hunter-Lab	61.3384, -16.5423, -3.1985

Details

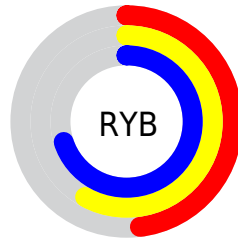
The Yxy color **37.6240, 0.2677, 0.3228** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.8020, 0.3810, 0.3351**, and the grayscale version is **34.5988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7642, 0.2759, 0.3243**, and **16.4575, 0.2541, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **35.9541, 0.2556, 0.3206**, and if you desaturate by 10%, it is **39.5396, 0.2811, 0.3249**.

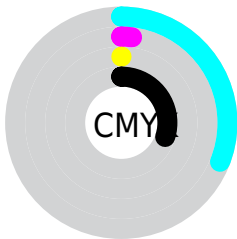
Distribution



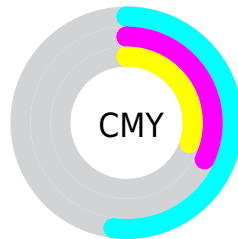
- Red (48%)
- Green (68%)
- Blue (70%)



- Red (48%)
- Yellow (58%)
- Blue (70%)



- Cyan (31%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)





- Cyan (52%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6240, 0.2677, 0.3228 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 37.6240, 0.2677, 0.3228 by changing the saturation by 10% instead.


 37.6240, 0.2677,
0.3228


 37.6240, 0.2677,
0.3228


336.0043, 0.2907,
0.3264


 25.6910, 0.2618,
0.3217


 71.5315, 0.2762,
0.3242

 16.5926, 0.2541,
0.3203


 94.2747, 0.2793,
0.3247

 9.9445, 0.2438,
0.3181

 121.3902, 0.2820,
0.3251

 5.3622, 0.2291,
0.3147

153.2622, 0.2842,
0.3255

 2.4613, 0.2067,
0.3087

190.2752, 0.2862,
0.3257

 0.8572, 0.1495,
0.3028

232.8137, 0.2879,

 0.0000, 0.0000,

0.3260

0.0000

281.2619, 0.2894,
0.3262

■ 37.6240, 0.2677,
0.3228

■ 37.6240, 0.2677,
0.3228

■ 35.9541, 0.2556,
0.3206

■ 39.5396, 0.2811,
0.3249

■ 34.5122, 0.2449,
0.3182

■ 41.7083, 0.2955,
0.3269

■ 33.2857, 0.2360,
0.3158

■ 44.1428, 0.3105,
0.3288

■ 32.2587, 0.2290,
0.3134

■ 46.8538, 0.3260,
0.3304

■ 31.4130, 0.2238,
0.3110

■ 49.8511, 0.3416,
0.3319

■ 30.7271, 0.2204,
0.3086

■ 53.1442, 0.3571,
0.3333

■ 30.2281, 0.2185,
0.3066

■ 56.7421, 0.3724,
0.3345

■ 58.8189, 0.3792,
0.3357

■ 59.3495, 0.3788,
0.3370

Harmonies

Analogous

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



37.6240, 0.2846, 0.3480



37.6240, 0.2677, 0.3228



37.6240, 0.2625, 0.3007

Triad

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



37.6240, 0.2677, 0.3228



37.6240, 0.3143, 0.2937



37.6240, 0.3566, 0.3706

Complementary

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



37.6240, 0.2677, 0.3228



25.8020, 0.3810, 0.3351

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.



37.6240, 0.3656, 0.3541



37.6240, 0.2677, 0.3228



37.6240, 0.3407, 0.3106

Square

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



37.6240, 0.2677, 0.3228



37.6240, 0.2885, 0.2853



37.6240, 0.3598, 0.3322



37.6240, 0.3358, 0.3764

Rectangle

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



37.6240, 0.2677, 0.3228



37.6240, 0.2661, 0.2907



37.6240, 0.3598, 0.3322



37.6240, 0.3612, 0.3660

Sweetspot

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



37.6255, 0.2677, 0.3228



76.6082, 0.2988, 0.3273



37.4773, 0.3057, 0.4136



16.8367, 0.2967, 0.3271



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.6255, 0.2677, 0.3228



66.0084, 0.2588, 0.3212



28.0022, 0.2625, 0.2786



9.5257, 0.2986, 0.3273



21.6710, 0.2186, 0.3069



0.7125, 0.2204, 0.3135

Inverse Universe

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



26.4507, 0.3206, 0.2572



42.5494, 0.3227, 0.2411



33.8977, 0.3689, 0.3746



8.6361, 0.3148, 0.3081



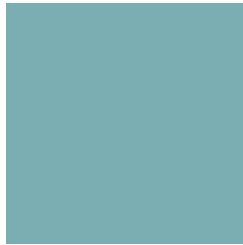
8.7278, 0.3394, 0.1643



0.2777, 0.3337, 0.1612

Previews

White Background



This preview shows how the Yxy color 37.6240, 0.2677, 0.3228 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 37.6240, 0.2677, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

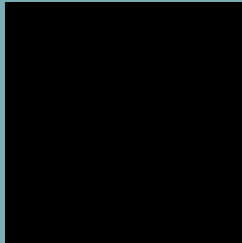
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

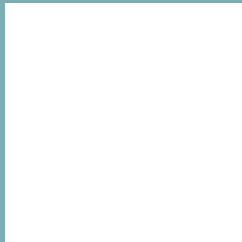
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6240, 0.2677, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 37.6240, 0.2677, 0.3228.

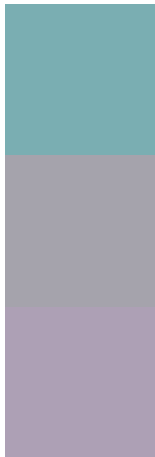


This preview shows how white text looks on a background with the Yxy color 37.6240, 0.2677, 0.3228.

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

37.6240, 0.2677, 0.3228

Protanopia

37.1723, 0.3068, 0.3163

Deuteranopia

37.3620, 0.3066, 0.3003



Tritanopia

37.7601, 0.2629, 0.3080

Trichromacy



Original Color

37.6240, 0.2677, 0.3228

Protanomaly

37.0830, 0.2909, 0.3187

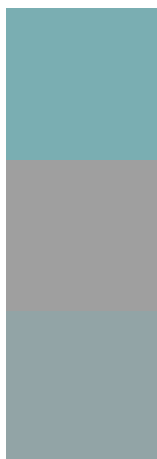
Deuteranomaly

37.0756, 0.2904, 0.3075

Tritanomaly

37.5588, 0.2642, 0.3124

Monochromacy



Original Color

37.6240, 0.2677, 0.3228

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4151, 0.2946, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6240, 0.2677, 0.3228 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(122, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(122, 174, 178)  
}
```

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(122, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 174, 178) }
```

Border

The CSS property to change the border of an element to Yxy 37.6240, 0.2677, 0.3228 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(122, 174, 178) }
```

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

```
.border{ border-color:rgb(122, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(122, 174,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6240, 0.2677, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 174, 178) }
```

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

```
.background{ background-color: rgb(122,  
174, 178) }
```

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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