

Converting Colors

$Yxy(37.8964, 0.2586, 0.3292)$

Have a look what the booklet for
Yxy(37.8964, 0.2586, 0.3292)
contains.

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Color

Yxy(37.6828, 0.2583, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	6AB1B1
RGB	106, 177, 177
RGB Percent	42%, 69%, 69%
CMY	0.5843, 0.3059, 0.3058
CMYK	0.40, 0.00, 0.00, 0.31
HSL	180°, 31%, 55%
HSV	180°, 40%, 69%
XYZ	29.6030, 37.6828, 47.3213
YIQ	155.7710, -42.3160, -15.0520

Conversions

Conversions Part 2

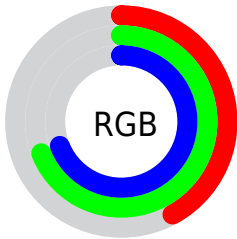
Format	Color
RYB	106, 142, 177
Decimal	6992305
CIELab	67.79, -22.22, -7.04
CIELCh	68, 23.310, 197.566
Yxy	37.6828, 0.2583, 0.3288
Android (android.graphics.Color)	4285182385 (0xFF6AB1B1)
YUV	155.7710, 10.4659, -43.6492
Hunter-Lab	61.3863, -21.3460, -2.7348

Details

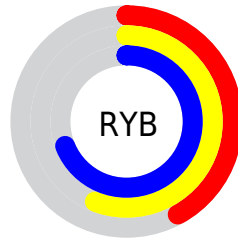
The Yxy color **37.6828, 0.2583, 0.3288** is a light color, and the websafe version is hex **669999**. A complement of this color would be **20.7024, 0.4119, 0.3293**, and the grayscale version is **33.1056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7381, 0.2684, 0.3289**, and **16.5743, 0.2422, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **36.7071, 0.2482, 0.3288**, and if you desaturate by 10%, it is **38.8854, 0.2700, 0.3288**.

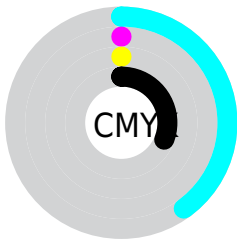
Distribution



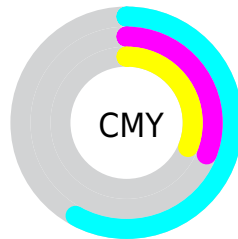
- Red (42%)
- Green (69%)
- Blue (69%)



- Red (42%)
- Yellow (56%)
- Blue (69%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)





- Cyan (58%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6828, 0.2583, 0.3288 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 37.6828, 0.2583, 0.3288 by changing the saturation by 10% instead.


 37.6828, 0.2583,
0.3288


 37.6828, 0.2583,
0.3288


336.2573, 0.2860,
0.3294


 25.7366, 0.2512,
0.3285


 71.6217, 0.2685,
0.3292

 16.6267, 0.2420,
0.3279


 94.3832, 0.2723,
0.3292

 9.9687, 0.2297,
0.3270


 121.5185, 0.2755,
0.3293

 5.3782, 0.2122,
0.3252

 153.4122, 0.2782,
0.3293

 2.4708, 0.1859,
0.3214

190.4485, 0.2806,
0.3294

 0.8620, 0.1045,
0.3255

233.0118, 0.2826,

 0.0000, 0.0000,

0.3294

0.0000

281.4866, 0.2844,
0.3294

■ 37.6828, 0.2583,
0.3288

■ 37.6828, 0.2583,
0.3288

■ 36.7071, 0.2482,
0.3288

■ 38.8854, 0.2700,
0.3288

■ 35.9398, 0.2399,
0.3287

■ 40.3230, 0.2832,
0.3289

■ 35.3672, 0.2335,
0.3287

■ 42.0089, 0.2974,
0.3289


■ 34.9716, 0.2289,
0.3287

■ 43.9541, 0.3125,
0.3290

■ 34.7323, 0.2261,
0.3287


■ 46.1689, 0.3282,
0.3291

 34.6063, 0.2246,
0.3286

 48.6629, 0.3441,
0.3291

 51.4455, 0.3601,
0.3292

 54.5256, 0.3758,
0.3292

 55.9018, 0.3823,
0.3292

Harmonies

Analogous

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



37.6828, 0.2832, 0.3622



37.6828, 0.2583, 0.3288



37.6828, 0.2477, 0.2978

Triad

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



37.6828, 0.2583, 0.3288



37.6828, 0.3055, 0.2795



37.6828, 0.3750, 0.3786

Complementary

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



37.6828, 0.2583, 0.3288



20.7024, 0.4119, 0.3293

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.



37.6828, 0.3824, 0.3541



37.6828, 0.2583, 0.3288



37.6828, 0.3410, 0.2987

Square

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



37.6828, 0.2583, 0.3288



37.6828, 0.2737, 0.2718



37.6828, 0.3698, 0.3253



37.6828, 0.3506, 0.3913

Rectangle

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



37.6828, 0.2583, 0.3288



37.6828, 0.2495, 0.2829



37.6828, 0.3698, 0.3253



37.6828, 0.3797, 0.3713

Sweetspot

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



37.6843, 0.2583, 0.3288



74.5466, 0.2944, 0.3289



35.5589, 0.3070, 0.4498



16.0703, 0.2926, 0.3289



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.6843, 0.2583, 0.3288



65.9262, 0.2494, 0.3288



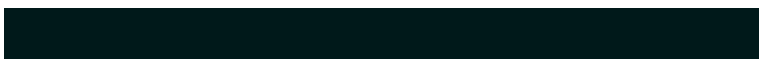
25.4397, 0.2493, 0.2701



9.6311, 0.2986, 0.3290



25.0654, 0.2246, 0.3286



0.7888, 0.2246, 0.3287

Inverse Universe

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



22.8314, 0.3173, 0.2320



35.6981, 0.3182, 0.2130



29.5912, 0.3906, 0.3810



8.6467, 0.3138, 0.3066



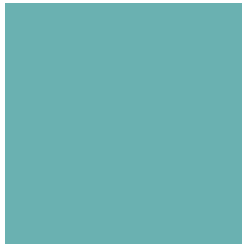
9.0705, 0.3210, 0.1542



0.2854, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.6828, 0.2583, 0.3288 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 37.6828, 0.2583, 0.3288 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

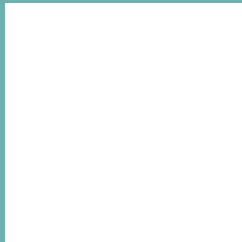
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6828, 0.2583, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 37.6828, 0.2583, 0.3288.



This preview shows how white text looks on a background with the Yxy color 37.6828, 0.2583, 0.3288.

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

37.6828, 0.2583, 0.3288

Protanopia

37.1659, 0.3103, 0.3205

Deuteranopia

37.3620, 0.3066, 0.3003



Tritanopia

37.5853, 0.2523, 0.3076

Trichromacy



Original Color

37.6828, 0.2583, 0.3288

Protanomaly

36.9131, 0.2883, 0.3230

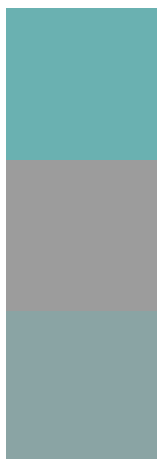
Deuteranomaly

36.9573, 0.2862, 0.3087

Tritanomaly

37.7416, 0.2543, 0.3151

Monochromacy



Original Color

37.6828, 0.2583, 0.3288

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6345, 0.2893, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6828, 0.2583, 0.3288 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(106, 177, 177)` looks like.

```
.text, #text, p{  
    color:rgb(106, 177, 177)  
}
```

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(106, 177, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 177, 177) }
```

Border

The CSS property to change the border of an element to Yxy 37.6828, 0.2583, 0.3288 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(106, 177, 177) }
```

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

```
.border{ border-color:rgb(106, 177, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 177, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 177, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 177, 177);  
box-shadow:4px 4px 4px 4px rgb(106, 177,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6828, 0.2583, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 177, 177) }
```

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

```
.background{ background-color: rgb(106,  
177, 177) }
```

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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